

**(** Tel: 400-999-8863 ■ Emall:Upingbio.163.com



## **DPOG1 Polyclonal Antibody**

Immunogen       Synthesized peptide derived from part region of human protein         Specificity       DPOG1 Polyclonal Antibody detects endogenous levels of protein.         Formulation       Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.         Source       Polyclonal, Rabbit, IgG         Purification       The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000 ELISA 1:5000-20000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Observed Band       136kD         Cell Pathway       Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .         Tissue Specificity       Brain, Lymph, Testis,	Catalog No	
Reactivity Human;Mouse;Rat  Applications WB;ELISA  Gene Name POLG MDP1 POLG1 POLGA  Protein Name DNA polymerase subunit gamma-1 (EC 2.7.7.7) (Mitochondrial DNA polymerase catalytic subunit) (PolG-alpha)  Immunogen Synthesized peptide derived from part region of human protein  Specificity DPOG1 Polyclonal Antibody detects endogenous levels of protein.  Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.  Source Polyclonal, Rabbit,IgG  Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000 ELISA 1:5000-20000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms  Observed Band 136kD  Cell Pathway Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .  Tissue Specificity Brain,Lymph,Testis,		YP-Ab-05521
Applications  WB;ELISA  Gene Name  POLG MDP1 POLG1 POLGA  Protein Name  DNA polymerase subunit gamma-1 (EC 2.7.7.7) (Mitochondrial DNA polymerase catalytic subunit) (PolG-alpha)  Immunogen  Synthesized peptide derived from part region of human protein  Specificity  DPOG1 Polyclonal Antibody detects endogenous levels of protein.  Formulation  Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.  Source  Polyclonal, Rabbit, IgG  Purification  The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution  WB 1:500-2000 ELISA 1:5000-20000  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  Observed Band  136kD  Cell Pathway  Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .  Tissue Specificity  Brain,Lymph,Testis,	Isotype	IgG
Gene Name       POLG MDP1 POLG1 POLGA         Protein Name       DNA polymerase subunit gamma-1 (EC 2.7.7.7) (Mitochondrial DNA polymerase catalytic subunit) (PolG-alpha)         Immunogen       Synthesized peptide derived from part region of human protein         Specificity       DPOG1 Polyclonal Antibody detects endogenous levels of protein.         Formulation       Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.         Source       Polyclonal, Rabbit,IgG         Purification       The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000 ELISA 1:5000-20000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Observed Band       136kD         Cell Pathway       Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .         Tissue Specificity       Brain,Lymph,Testis,	Reactivity	Human;Mouse;Rat
Protein Name       DNA polymerase subunit gamma-1 (EC 2.7.7.7) (Mitochondrial DNA polymerase catalytic subunit) (PolG-alpha)         Immunogen       Synthesized peptide derived from part region of human protein         Specificity       DPOG1 Polyclonal Antibody detects endogenous levels of protein.         Formulation       Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.         Source       Polyclonal, Rabbit,IgG         Purification       The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000 ELISA 1:5000-20000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms         Observed Band       136kD         Cell Pathway       Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .         Tissue Specificity       Brain,Lymph,Testis,	Applications	WB;ELISA
Immunogen       Synthesized peptide derived from part region of human protein         Specificity       DPOG1 Polyclonal Antibody detects endogenous levels of protein.         Formulation       Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.         Source       Polyclonal, Rabbit, IgG         Purification       The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000 ELISA 1:5000-20000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Observed Band       136kD         Cell Pathway       Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .         Tissue Specificity       Brain, Lymph, Testis,	Gene Name	POLG MDP1 POLG1 POLGA
Specificity       DPOG1 Polyclonal Antibody detects endogenous levels of protein.         Formulation       Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.         Source       Polyclonal, Rabbit, IgG         Purification       The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000 ELISA 1:5000-20000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Observed Band       136kD         Cell Pathway       Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .         Tissue Specificity       Brain,Lymph,Testis,	Protein Name	DNA polymerase subunit gamma-1 (EC 2.7.7.7) (Mitochondrial DNA polymerase catalytic subunit) (PolG-alpha)
Formulation       Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.         Source       Polyclonal, Rabbit, IgG         Purification       The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000 ELISA 1:5000-20000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Observed Band         Cell Pathway       Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .         Tissue Specificity       Brain,Lymph,Testis,	Immunogen	Synthesized peptide derived from part region of human protein
Source       Polyclonal, Rabbit, IgG         Purification       The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000 ELISA 1:5000-20000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Observed Band       136kD         Cell Pathway       Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .         Tissue Specificity       Brain,Lymph,Testis,	Specificity	DPOG1 Polyclonal Antibody detects endogenous levels of protein.
Purification       The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000 ELISA 1:5000-20000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Observed Band       136kD         Cell Pathway       Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .         Tissue Specificity       Brain,Lymph,Testis,	Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000 ELISA 1:5000-20000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms  Observed Band 136kD  Cell Pathway Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .  Tissue Specificity Brain,Lymph,Testis,	Source	Polyclonal, Rabbit,IgG
Concentration1 mg/mlPurity≥90%Storage Stability-20°C/1 yearSynonymsObserved Band136kDCell PathwayMitochondrion . Mitochondrion matrix, mitochondrion nucleoid .Tissue SpecificityBrain,Lymph,Testis,	Purification	
Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Observed Band         Cell Pathway       Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .         Tissue Specificity       Brain,Lymph,Testis,	Dilution	WB 1:500-2000 ELISA 1:5000-20000
Storage Stability -20°C/1 year  Synonyms  Observed Band 136kD  Cell Pathway Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .  Tissue Specificity Brain,Lymph,Testis,	Concentration	1 mg/ml
Synonyms  Observed Band 136kD  Cell Pathway Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .  Tissue Specificity Brain,Lymph,Testis,	Purity	≥90%
Observed Band  Cell Pathway  Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .  Tissue Specificity  Brain,Lymph,Testis,	Storage Stability	-20°C/1 year
Cell Pathway  Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .  Tissue Specificity  Brain,Lymph,Testis,	Synonyms	
Tissue Specificity Brain,Lymph,Testis,		
	Observed Band	136kD
Function catalytic activity: Deoxynucleoside triphosphate + DNA(n) = diphosphate +		
DNA(n+1).,cofactor:Magnesium.,disease:Defects in POLG are a cause of Alpers-Huttenlocher syndrome (AHS) [MIM:203700]; also called Alpers diffuse degeneration of cerebral gray matter with hepatic cirrhosis. AHS is an autosomal recessive hepatocerebral syndrome. The typical course of AHS includes severe developmental delay, intractable seizures, liver failure, and death in childhood. Refractory seizures, cortical blindness, progressive liver dysfunction, and acute liver failure after exposure to valproic acid are considered diagnostic features. The	Cell Pathway	Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .
<b>Background</b> Mitochondrial DNA polymerase is heterotrimeric, consisting of a homodimer of accessory subunits plus a catalytic subunit. The protein encoded by this gene is the catalytic subunit of mitochondrial DNA polymerase. The encoded protein	Cell Pathway	Mitochondrion . Mitochondrion matrix, mitochondrion nucleoid .  Brain,Lymph,Testis,  catalytic activity:Deoxynucleoside triphosphate + DNA(n) = diphosphate + DNA(n+1).,cofactor:Magnesium.,disease:Defects in POLG are a cause of Alpers-Huttenlocher syndrome (AHS) [MIM:203700]; also called Alpers diffuse degeneration of cerebral gray matter with hepatic cirrhosis. AHS is an autosomal recessive hepatocerebral syndrome. The typical course of AHS includes severe developmental delay, intractable seizures, liver failure, and death in childhood. Refractory seizures, cortical blindness, progressive liver dysfunction, and acute liver failure after exposure to valproic acid are considered diagnostic features. The neuropathological hallmarks of AHS are neuronal loss, spongiform degeneration, and astrocytosis of the visual cortex. Liver biopsy results show steatosis, often progressing to cirrhosis.,disease:Defects in POLG are a cause of mitochondrial



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contains a polyglutamine tract near its N-terminus that may be polymorphic. Defects in this gene are a cause of progressive external ophthalmoplegia with mitochondrial DNA deletions 1 (PEOA1), sensory ataxic neuropathy dysarthria and ophthalmoparesis (SANDO), Alpers-Huttenlocher syndrome (AHS), and mitochondrial neurogastrointestinal encephalopathy syndrome (MNGIE). Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

**Usage suggestions** 

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images