



# Kv10.2 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-01198
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;IHC;IF
<b>Gene Name</b>	KCNH5
<b>Protein Name</b>	Potassium voltage-gated channel subfamily H member 5 (Ether-a-go-go potassium channel 2) (hEAG2) (Voltage-gated potassium channel subunit Kv10.2)
<b>Immunogen</b>	Synthetic Peptide of Kv10.2 AA range: 264-314
<b>Specificity</b>	Kv10.2 protein(A260) detects endogenous levels of Kv10.2
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:1000-2000, IHC 1:100-200. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Potassium voltage-gated channel subfamily H member 5 (Ether-a-go-go potassium channel 2;hEAG2;Voltage-gated potassium channel subunit Kv10.2)
<b>Observed Band</b>	60kD
<b>Cell Pathway</b>	Membrane; Multi-pass membrane protein.
<b>Tissue Specificity</b>	Detected in brain, skeletal muscle, heart, placenta, lung and liver, and at low levels in kidney.
<b>Function</b>	alternative products:Experimental confirmation may be lacking for some isoforms.,domain:The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.,function:Pore-forming (alpha) subunit of voltage-gated potassium channel. Elicits a non-inactivating outward rectifying current. Channel properties may be modulated by cAMP and subunit assembly.,sequence caution:Translated as Gly.,similarity:Belongs to the potassium channel family. H (Eag) subfamily.,similarity:Contains 1 cyclic nucleotide-binding domain.,similarity:Contains 1 PAC (PAS-associated C-terminal) domain.,similarity:Contains 1 PAS (PER-ARNT-SIM) domain.,subunit:The potassium channel is probably composed of a homo- or heterotetrameric complex of pore-forming alpha subunits that can associate with modulating beta subunits. Heteromultimer with KCNH1/EAG.,tiss



**Background**

This gene encodes a member of voltage-gated potassium channels. Members of this family have diverse functions, including regulating neurotransmitter and hormone release, cardiac function, and cell volume. This protein is an outward-rectifying, noninactivating channel. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013],

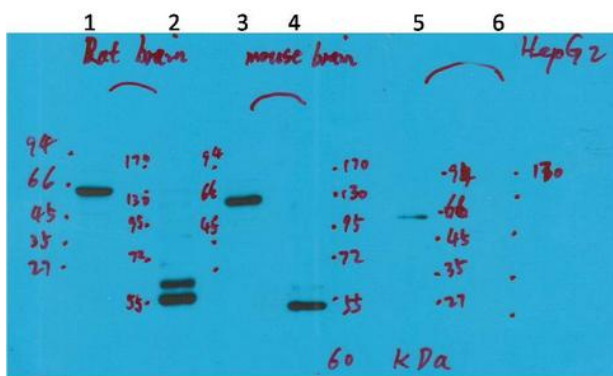
**matters needing attention**

Avoid repeated freezing and thawing!

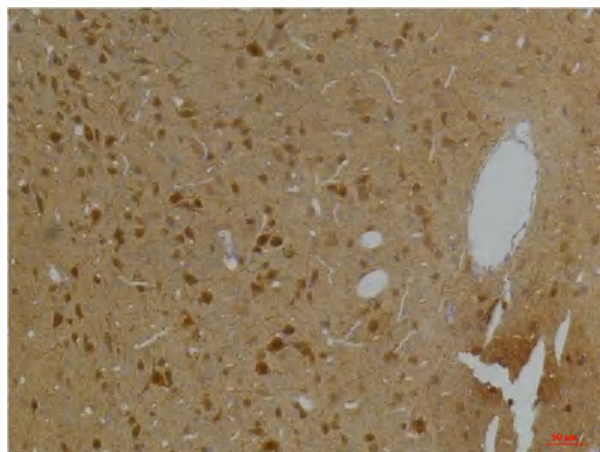
**Usage suggestions**

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

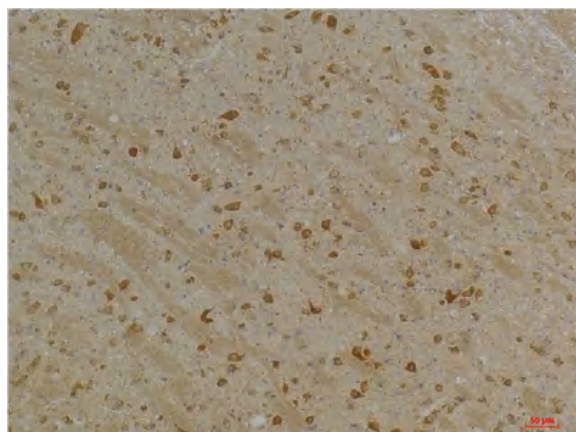
**Products Images**



Western blot analysis of 1) Rat Brain Tissue-Low Molecular Protein Marker, 2)Rat Brain Tissue-High Molecular Protein Marker, 3) Mouse Brain Tissue-Low Molecular Protein Marker, 4) Mouse Brain Tissue- High Molecular Protein Marker, 5) HepG2-Low Molecular P



Immunohistochemical analysis of paraffin-embedded Rat BrainTissue using Kv10.2 Rabbit pAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Mouse BrainTissue using Kv10.2 Rabbit pAb diluted at 1:200.