



# ADT2 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-05293
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	SLC25A5 ANT2
<b>Protein Name</b>	ADP/ATP translocase 2 (ADP,ATP carrier protein 2) (ADP,ATP carrier protein, fibroblast isoform) (Adenine nucleotide translocator 2) (ANT 2) (Solute carrier family 25 member 5)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 40-120
<b>Specificity</b>	ADT2 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 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 epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	32kD
<b>Cell Pathway</b>	Mitochondrion inner membrane ; Multi-pass membrane protein . Membrane ; Multi-pass membrane protein . May localize to non-mitochondrial membranes. .
<b>Tissue Specificity</b>	Expressed in erythrocytes (at protein level).
<b>Function</b>	function:Catalyzes the exchange of ADP and ATP across the mitochondrial inner membrane.,miscellaneous:The transmembrane helices are not perpendicular to the plane of the membrane, but cross the membrane at an angle. Odd-numbered transmembrane helices exhibit a sharp kink, due to the presence of a conserved proline residue.,similarity:Belongs to the mitochondrial carrier family.,similarity:Contains 3 Solcar repeats.,subunit:Homodimer. Interacts with HIV-1 Vpr.,
<b>Background</b>	This gene is a member of the mitochondrial carrier subfamily of solute carrier protein genes. The product of this gene functions as a gated pore that translocates ADP from the cytoplasm into the mitochondrial matrix and ATP from the mitochondrial matrix into the cytoplasm. The protein forms a homodimer embedded in the inner mitochondria membrane. Suppressed expression of this gene has been shown to induce apoptosis and inhibit tumor growth. The human genome contains several non-transcribed pseudogenes of this gene.[provided by



RefSeq, Jun 2013],

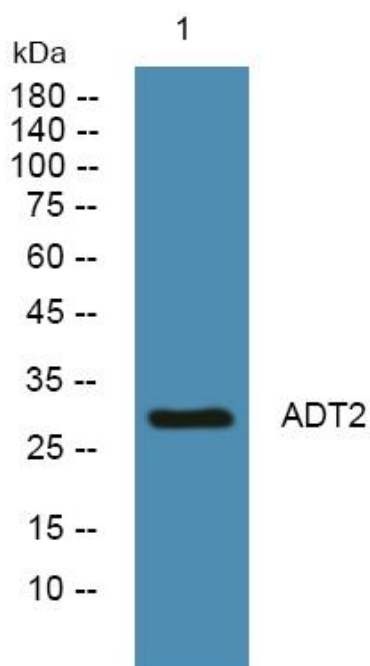
**matters needing attention**

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 lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4° over night