Product Name: **ANT3 Rabbit Polyclonal Antibody**
Catalog #: **APRab06952**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	32kDa

Antigen Information

Gene Name	SLC25A6
Alternative Names	SLC25A6; ANT3; CDABP0051; ADP/ATP translocase 3; ADP; ATP carrier protein 3; ADP,ATP carrier protein, isoform T2; ANT 2; Adenine nucleotide translocator 3; ANT 3; Solute carrier family 25 member 6
Gene ID	293.0
SwissProt ID	P12236
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC25A6. AA range:121-170

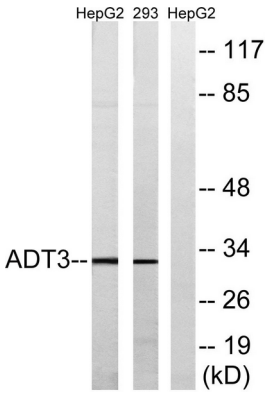
Background

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 is implicated in the function of the permability transition pore complex (PTPC), which regulates the release of mitochondrial products that induce apoptosis. The human genome contains several non-transcribed pseudogenes of this gene. [provided by RefSeq, Jun 2013],function:Catalyzes the exchange of ADP and ATP across the mitochondrial inner membrane. May participate in the formation of the permeability transition pore complex (PTPC) responsible for the release of mitochondrial products that triggers apoptosis.,miscellaneous:The gene encoding for this protein is located in the pseudoautosomal region 1 (PAR1) of X and Y chromosomes.,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 influenza A virus PB1-F2 protein and HIV-1 Vpr.,

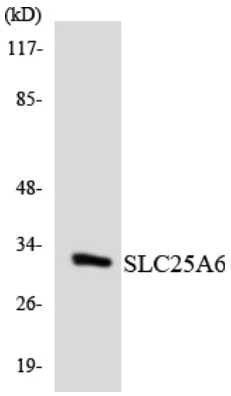
Research Area

Calcium;Parkinson's disease;Huntington's disease;

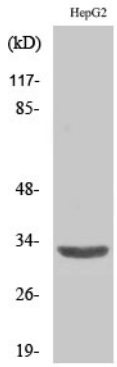
Image Data



Western blot analysis of lysates from HepG2 and 293 cells, using SLC25A6 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using SLC25A6 antibody.



Western Blot analysis of various cells using ANT3 Polyclonal Antibody diluted at 1: 2000