

CYB561 antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22406a**Specification**

CYB561 antibody - Product Information

Application	WB,E
Primary Accession	P49447
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Calculated MW	27559

CYB561 antibody - Additional Information**Gene ID** 1534**Other Names**

Transmembrane ascorbate-dependent reductase CYB561, 7.2.1.-, Cytochrome b-561, Cytochrome b561, CYB561 ([HGNC:2571](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=2571))

Target/Specificity

This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.

Dilution

WB~~1:2000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CYB561 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CYB561 antibody - Protein Information**Name** CYB561 ([HGNC:2571](#))

Function Transmembrane reductase that uses ascorbate as an electron donor in the cytoplasm and transfers electrons across membranes to reduce monodehydro-L-ascorbate radical in the

lumen of secretory vesicles. It is therefore involved the regeneration and homeostasis within secretory vesicles of ascorbate which in turn provides reducing equivalents needed to support the activity of intravesicular enzymes.

Cellular Location

Cytoplasmic vesicle, secretory vesicle, chromaffin granule membrane

{ECO:0000250|UniProtKB:P10897}; Multi-pass membrane protein

{ECO:0000250|UniProtKB:Q53TN4}. Note=Secretory vesicle containing catecholamines and amidated peptides {ECO:0000250|UniProtKB:P10897}

Tissue Location

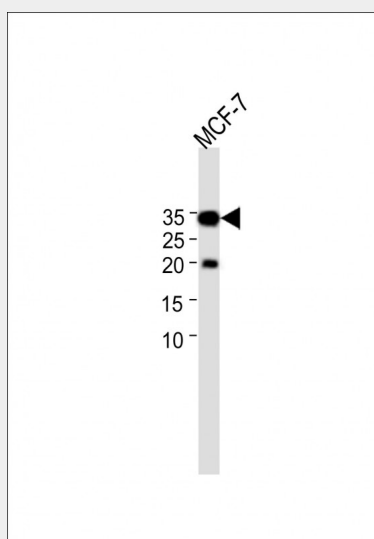
Expressed in many tissues, in particular the brain especially in the cortex and hippocampus

CYB561 antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CYB561 antibody - Images



All lanes: Anti-CYB561 antibody at 1:2000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 30 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

CYB561 antibody - Background

Transmembrane reductase that uses ascorbate as an electron donor in the cytoplasm and transfers electrons across membranes to reduce monodehydro-L-ascorbate radical in the lumen of secretory vesicles. It is therefore involved the regeneration and homeostasis within secretory

vesicles of ascorbate which in turn provides reducing equivalents needed to support the activity of intravesicular enzymes.

CYB561 antibody - References

- Srivastava M.,et al.J. Biol. Chem. 270:22714-22720(1995).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).
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