

SLC35B1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12348**Specification****SLC35B1 antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	P78383
Other Accession	NM_005827 , NP_005818
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35kDa kDa

SLC35B1 antibody - C-terminal region - Additional Information**Gene ID** 10237**Alias Symbol** **UGTREL1****Other Names**

Solute carrier family 35 member B1, UDP-galactose transporter-related protein 1, UGTrel1, hUGTrel1, SLC35B1, UGTREL1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 100 ul of distilled water. Final anti-SLC35B1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

SLC35B1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

SLC35B1 antibody - C-terminal region - Protein Information**Name** SLC35B1 {ECO:0000303|PubMed:35041824, ECO:0000312|HGNC:HGNC:20798}**Function**

ATP:ADP antiporter that catalyzes the exchange of ATP and ADP across the endoplasmic reticulum (ER) membrane. Imports ATP from the cytosol to the ER lumen and exports ADP in the opposite direction (PubMed:30154480, PubMed:35041824). Regulates ER energy metabolism and protein biogenesis. Appears to be part of a calcium-dependent ER to cytosol low energy response axis, where calcium

efflux from ER to the cytosol triggers ATP import into the ER lumen to maintain sufficient ATP supply. Provides ATP to ER chaperone HSPA5 that drives protein folding and trafficking in the ER (PubMed:30154480, PubMed:35041824). Can transport dATP, UTP or UDP in exchange for ATP, but the physiological relevance of this process remains to be established (PubMed:30154480, PubMed:35041824).

Cellular Location

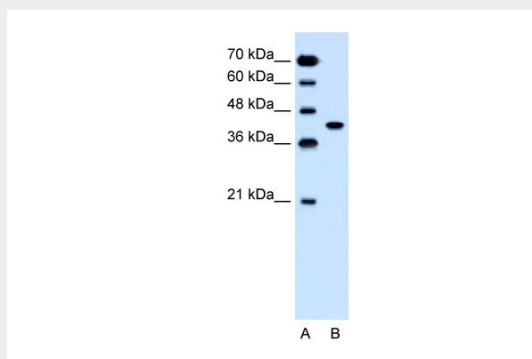
Endoplasmic reticulum membrane; Multi-pass membrane protein

SLC35B1 antibody - C-terminal region - 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](#)

SLC35B1 antibody - C-terminal region - Images



WB Suggested Anti-SLC35B1 Antibody Titration: 1.25µg/ml
Positive Control: Jurkat cell lysate

SLC35B1 antibody - C-terminal region - References

Ishida,N.,(1996)J.Biochem.120(6),1074-1078ReconstitutionandStorage:Forshorttermuse,storeat2-8 Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.