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SLC37A3 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12371

Product Information

Application	WB, IHC
Primary Accession	Q8NCC5
Other Accession	NM_207113, NP_996996
Reactivity	Human, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Rat, Rabbit, Dog, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54486

Additional Information

Gene ID	84255
Alias Symbol	MGC32939
Other Names	Sugar phosphate exchanger 3, Solute carrier family 37 member 3, SLC37A3, SPX3
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-SLC37A3 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	SLC37A3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

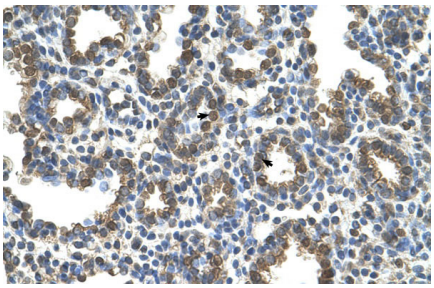
Name	SLC37A3 (HGNC:20651)
Synonyms	SPX3
Function	Unlike the other SLC37 members, lacks glucose-6-phosphate antiporter activity (PubMed:21949678). In osteoclasts, forms a transporter complex with ATRAID for nitrogen-containing-bisphophonates (N-BPs) required for releasing N-BP molecules that have trafficked to lysosomes through fluid-phase endocytosis into the cytosol (PubMed:29745899).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein. Lysosome membrane; Multi- pass membrane protein

Tissue Location	Expressed in liver, kidney, intestine and pancreas.

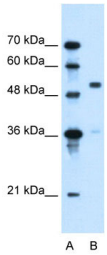
References

Bartoloni,L.(2004)PflugersArch.447(5),780-783ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1 week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

Images



Human Lung



WB Suggested Anti-SLC37A3 Antibody Titration: 0.2-1 µg/ml
Positive Control: HepG2 cell lysate