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SLC39A13 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57961

Specification

SLC39A13 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q96H72
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**39 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human SLC39A13**
Epitope Specificity	**1-100/371**
Isotype	**IgG**
Purity	
affinity purified by Protein A	
Buffer	**Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.**
SUBCELLULAR LOCATION	**Membrane.**
SIMILARITY	**Belongs to the ZIP transporter (TC 2.A.5) family.**
DISEASE	**Defects in SLC39A13 are the cause of Ehlers-Danlos syndrome-like spondylocheirodysplasia (SCD-EDS) [MIM:612350]. SCD-EDS is a 'spondylocheiro dysplastic form of Ehlers-Danlos syndrome'. The syndrome consists of a generalized skeletal dysplasia involving mainly the spine (spondylo) and striking clinical abnormalities of the hands (cheiro) in addition to the EDS-like features. Clinical features included postnatal growth retardation, moderate short stature, protuberant eyes with bluish sclerae, hands with finely wrinkled palms, atrophy of the thenar muscles, and tapering fingers. Patients have thin, hyperelastic skin and hypermobile small joints consistent with an Ehlers-Danlos-like phenotype. Radiologic features included mild to moderate platyspondyly, mild to moderate osteopenia of the spine, small ileum, flat proximal femoral epiphyses, short, wide femoral necks, and broad metaphyses (elbows, knees, wrists, and interphalangeal joints).**
Important Note	**This product as supplied is intended for**

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions
This gene encodes a member of the LIV-1 subfamily of the ZIP transporter family. The encoded transmembrane protein functions as a zinc transporter. Mutations in this gene have been associated with the spondylocheiro dysplastic form of Ehlers-Danlos syndrome.[provided by RefSeq, Mar 2010]

SLC39A13 Polyclonal Antibody - Additional Information

Gene ID 91252

Other Names
Zinc transporter ZIP13, LIV-1 subfamily of ZIP zinc transporter 9, LZT-Hs9, Solute carrier family 39 member 13, Zrt- and Irt-like protein 13, ZIP-13, SLC39A13, ZIP13

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

SLC39A13 Polyclonal Antibody - Protein Information

Name SLC39A13 (HGNC:20859)

Synonyms ZIP13

Function
Functions as a zinc transporter transporting Zn(2+) from the Golgi apparatus to the cytosol and thus influences the zinc level at least in areas of the cytosol (PubMed:21917916, PubMed:23213233). May regulate beige adipocyte differentiation (By similarity).

Cellular Location
Golgi apparatus membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane. Endoplasmic reticulum membrane

SLC39A13 Polyclonal Antibody - Protocols

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

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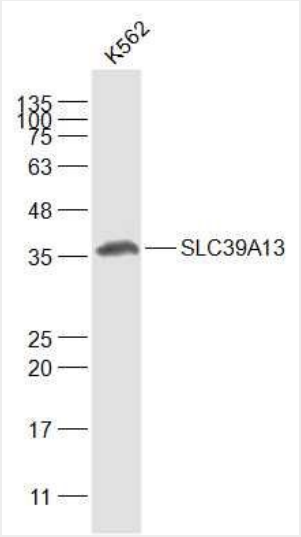
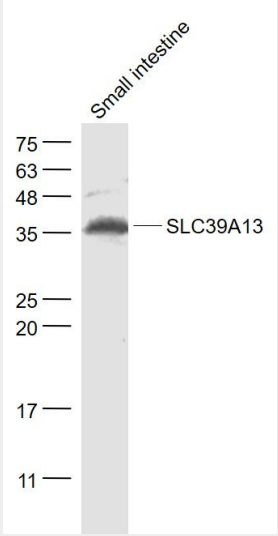
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SLC39A13 Polyclonal Antibody - Images



Sample:
K562(Human) Cell Lysate at 30 ug
Primary: Anti-SLC39A13 (bs-21283R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39 kD
Observed band size: 37 kD



Sample:
Small intestine (Mouse) Lysate at 40 ug

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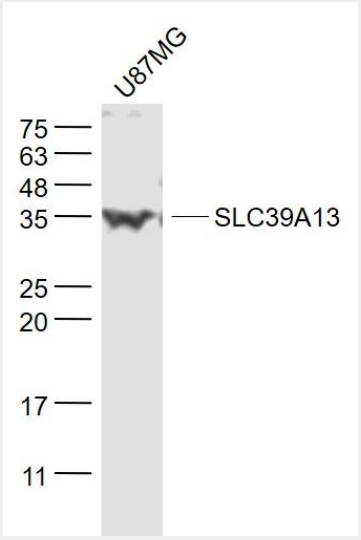
Primary: Anti- SLC39A13 (bs-21283R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39 kD
Observed band size: 37 kD



Sample:
U87MG(Human) Cell Lysate at 30 ug
Primary: Anti- SLC39A13 (bs-21283R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39 kD
Observed band size: 36 kD