10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SLC39A13 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57961

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q96H72
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39011
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]

Additional Information

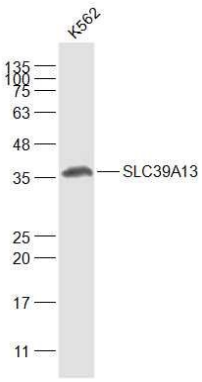
Gene ID	91252
Other Names	Zinc transporter ZIP13, LIV-1 subfamily of ZIP zinc transporter 9, LZT-Hs9, Solute carrier family 39 member 13, Zrt- and Irt-like protein 13, ZIP-13, SLC39A13, ZIP13

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C 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 °C.

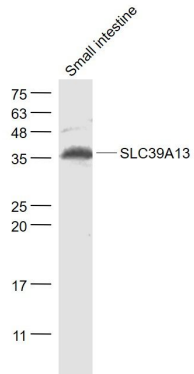
Protein Information

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

Images

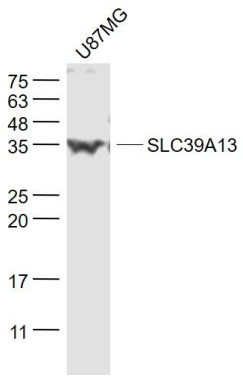


Sample:
K562(Human) Cell Lysate at 30 ug
Primary: Anti-SLC39A13 (AP57961) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39 kD
Observed band size: 37 kD



Sample:
Small intestine (Mouse) Lysate at 40 ug
Primary: Anti- SLC39A13 (AP57961) 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 (AP57961) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution



Predicted band size: 39 kD
Observed band size: 36 kD