Datasheet for ABIN6991460

anti-SLC39A13 antibody (N-Term)

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Overview

Quantity:	0.1 mg
Target:	SLC39A13
Binding Specificity:	AA 150-200, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC39A13 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	ZIP13 antibody was raised against a 14 amino acid synthetic peptide near the amino terminus of human ZIP13. The immunogen is located within amino acids 150 - 200 of ZIP13.
Isotype:	IgG
Specificity:	At least two isoforms of ZIP13 are known to exist, this antibody will detect both isoforms. ZIP13 antibody is predicted to not cross-react with other ZIP family members.
Purification:	ZIP13 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SLC39A13
Alternative Name:	ZIP13 (SLC39A13 Products)

Target Details

Background:	ZIP13 Antibody: The zinc transporter ZIP13, also known as SLC39A13, is a member of a family of divalent ion transporters. Zinc is an essential ion for cells and plays significant roles in the growth, development, and differentiation. The zinc transporter family is divided into four subfamilies (I, II, LIV-1 and gufA). ZIP13 is a multipass membrane protein that belongs to the ZIP transporter subfamily LIV-1. Mutations in ZIP13 have recently been shown to cause a spondylocheiro dysplastic form of Ehlers-Danlos syndrome (SCD-EDS), a generalized skeletal dysplasia involving mainly the spine with clinical abnormalities of the hands in addition to EDS-like features. Other experiments have shown that ZIP13 is required for proper connective tissue development and is involved in BMP/TGF- signaling pathways.
Gene ID:	91252
NCBI Accession:	NP_001121697
UniProt:	Q96H72
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	ZIP13 antibody can be used for detection of ZIP13 by Western blot at 1 µ,g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µ,g/mL. For immunofluorescence start at 20 µ,g/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	ZIP13 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C

Handling

Storage Comment:	ZIP13 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.