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Datasheet for ABIN6991459

anti-SLC39A12 antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	SLC39A12
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC39A12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	ZIP12 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human ZIP12. The immunogen is located within the first 50 amino acids of ZIP12.
Isotype:	IgG
Specificity:	At least four isoforms of ZIP12 are known to exist. ZIP12 antibody is predicted to not cross-react with other ZIP family members.
Purification:	ZIP12 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SLC39A12
Alternative Name:	ZIP12 (SLC39A12 Products)

Target Details

Background:	ZIP12 Antibody: The zinc transporter ZIP12, also known as SLC39A12, 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 gnfA). ZIP12 is a multipass membrane protein that belongs to the ZIP transporter subfamily LIV-1. Increased levels of ZIP12 have been observed during acute inflammation in the airway and asthma, suggesting that it may be promote increased zinc uptake, as this can reduce inflammation. The zinc content in brains in individuals with schizophrenia is lower than in individuals with other cerebral diseases, and mutations in ZIP12 have been observed in a small group of schizophrenic patients, suggesting that ZIP12 may play a role in this disease.
Gene ID:	221074
NCBI Accession:	NP_001138667
UniProt:	Q504Y0

Application Details

Application Notes:	ZIP12 antibody can be used for detection of ZIP12 by Western blot at 0.5 - 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	ZIP12 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: ZIP12 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.