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Datasheet for ABIN783813

anti-SLC39A12 antibody (N-Term)

1 Image

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), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	15 amino acid peptide near the amino terminus of human ZIP12
Specificity:	This antibody detects Zinc transporter ZIP12 / SLC39A12 at N-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	SLC39A12
Alternative Name:	Zinc Transporter ZIP12 / SLC39A12 (SLC39A12 Products)
Background:	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,

Target Details

development, and differentiation. The zinc transporter family is divided into four subfamilies (I, II, LIV-1 and gufA). 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. Synonyms: LIV-1 subfamily of ZIP zinc transporter 8, LZT-Hs8, Solute carrier family 39 member 12, ZIP-12, ZIP12, Zrt-and Irt-like protein 12

Gene ID: 221074

NCBI Accession: [NP_001138667](#)

UniProt: [Q504Y0](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

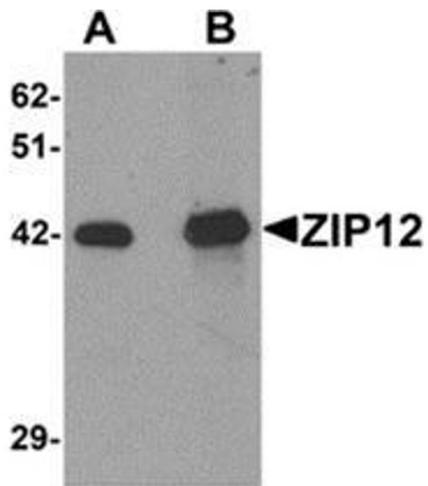
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of ZIP12 in HepG2 cell lysate with ZIP12 antibody at (A) 0.5 and (B) 1 µg/ml.