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Datasheet for ABIN5690255
anti-SLC36A2 antibody (AA 30-80)

Overview

Quantity:	0.1 mg
Target:	SLC36A2
Binding Specificity:	AA 30-80
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	SLC36A2 antibody was raised against a 15 amino acid peptide near the amino terminus of human SLC36A2. The immunogen is located within amino acids 30 - 80 of SLC36A2.
Isotype:	IgG
Specificity:	SLC36A2 antibody is human specific. SLC36A2 is predicted to not cross-react with other members of the SLC36 protein family.
Purification:	SLC36A2 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SLC36A2
Alternative Name:	SLC36A2 (SLC36A2 Products)

Target Details

Background:	SLC36A2 is a pH-dependent proton-coupled amino acid transporter that belongs to the amino acid auxin permease 1 protein family. The encoded protein primarily transports small amino acids such as glycine, alanine and proline (1,2). Both SLC36A2 and its paralog SLC36A1 are expressed in neurons, but SLC36A2 localizes to the endoplasmic reticulum and recycling endosome, while SLC36A1 is expressed in the lysosome (2). SLC36A2 is thought to contribute to neuronal transport and sequestration of amino acids such as glycine, alanine, and proline (2). Mutations in this gene are associated with iminoglycinuria and hyperglycinuria (3).
Molecular Weight:	Predicted: 53 kDa Observed: 52 kDa
Gene ID:	153201
NCBI Accession:	NP_861441
UniProt:	Q495M3
Pathways:	Proton Transport

Application Details

Application Notes:	SLC36A2 antibody can be used for detection of SLC36A2 by Western blot at 1 - 2 µg/mL.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SLC36A2 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:	4 °C, -20 °C
Storage Comment:	SLC36A2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.