

Datasheet for ABIN6944914

anti-SLC38A1 antibody (AA 211-300) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	SLC38A1
Binding Specificity:	AA 211-300
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC38A1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SLC38A1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Cow,Pig,Cat,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	SLC38A1
Alternative Name:	SLC38A1 (SLC38A1 Products)

Target Details

Background: Synonyms: Amino acid transporter A1, Amino acid transporter system A1, ATA 1, ATA1, N-system amino acid transporter 2, NAT 2, NAT2, S38A1_HUMAN, SAT 1, SAT1, SLC38A1, SNAT 1, SNAT1, Sodium-coupled neutral amino acid transporter 1, Solute carrier family 38 member 1, System A amino acid transporter 1, System N amino acid transporter 1.

Background: Amino acid transporters play essential roles in the uptake of nutrients, production of energy, chemical metabolism, detoxification, and neurotransmitter cycling. SLC38A1 is an important transporter of glutamine, an intermediate in the detoxification of ammonia and the production of urea. Glutamine serves as a precursor for the synaptic transmitter, glutamate (Gu et al., 2001 [PubMed 11325958]).[supplied by OMIM, Mar 2008]

Gene ID: 81539

UniProt: [Q9H2H9](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months