

Datasheet for ABIN6992166  
**anti-SLC38A4 antibody (AA 270-320)**



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## Overview

Quantity:	0.1 mg
Target:	SLC38A4
Binding Specificity:	AA 270-320
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC38A4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	SLC38A4 antibody was raised against an 18 amino acid peptide from near the center of human SLC38A4. The immunogen is located within amino acids 270 - 320 of SLC38A4.
Isotype:	IgG
Specificity:	SLC38A4 antibody is human and mouse reactive. SLC38A4 will not cross-react with other members of the SLC38 protein family.
Purification:	SLC38A4 Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	SLC38A4
Alternative Name:	SLC38A4 ( <a href="#">SLC38A4 Products</a> )

## Target Details

Background:	SLC38A4 is found predominantly in liver and transports both cationic and neutral amino acids (1,2). The transport of cationic amino acids by SLC38A4 is sodium and pH independent, while the transport of neutral amino acids is sodium and pH dependent (2). Recent evidence suggests that SLC38A4 functions as a regulator of protein synthesis downstream of the hepatocyte nuclear factor 4a during liver development (3). It has also been suggested that SLC38A4 has ATPase activity and is critically involved in the maintenance of mitochondrial homeostasis and cell survival (4).
Molecular Weight:	Predicted: 60 kDa  Observed: 60 kDa
Gene ID:	55089
NCBI Accession:	<a href="#">NP_060488</a>
UniProt:	<a href="#">Q96916</a>

## Application Details

Application Notes:	SLC38A4 antibody can be used for the detection of SLC38A4 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL.  Antibody validated: Western Blot in mouse samples and Immunohistochemistry in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SLC38A4 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
Storage Comment:	SLC38A4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.