

## Rabbit SLC38A1 Polyclonal Antibody | anti-SLC38A1 antibody

SLC38A1 antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                             | APPLICATIONS                       |
|-----------|--------|--------------------------------------------------------|------------------------------------|
| AAA199316 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat | Western Blot, Immunohistochemistry |

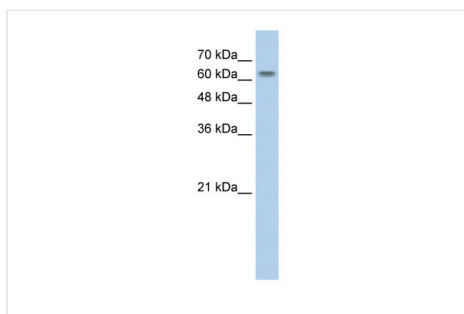
### PRODUCT SYNONYMS

SLC38A1; Polyclonal Antibody; SLC38A1 antibody - middle region; anti-SLC38A1 antibody

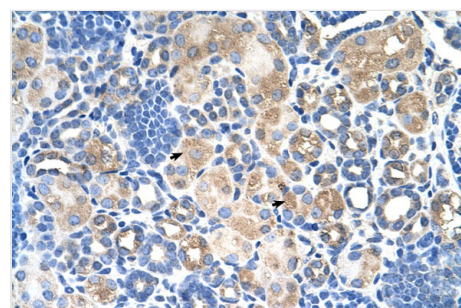
### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                       |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                |
| Reactivity                                        | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat                                                                                                |
| Clonality                                         | Polyclonal                                                                                                                                            |
| Purity/Purification                               | Protein A purified                                                                                                                                    |
| Form/Format                                       | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                          | Synthetic peptide with the following region: DR SQKKMQMVSNI SFFAMFVMY FLTAIFGYLT FYDNVQSDLL HKYQSKDD                                                  |
| Sequence Length                                   | 487                                                                                                                                                   |
| Applicable Applications for anti-SLC38A1 antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                         |
| Homology                                          | Cow: 86%; Dog: 93%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 85%; Rabbit: 93%; Rat: 93%                                                       |
| Immunogen                                         | The immunogen is a synthetic peptide directed towards the middle region of human SLC38A1                                                              |
| Preparation and Storage                           | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

WB Suggested Anti-SLC38A1 Antibody Titration: 2.5ug/ml Positive Control: HepG2 cell lysate SLC38A1 is supported by BioGPS gene expression data to be expressed in HepG2


**IHC (Immunohistochemistry)**

Human kidney

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SLC38A1 antibody | <p>This is a rabbit polyclonal antibody against SLC38A1. It was validated on Western Blot and immunohistochemistry</p> <p>Target Description: 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.</p> |
| Product Categories/Family for anti-SLC38A1 antibody   | Polyclonal; Membrane Protein; Meiosis/Mitosis/Cell Cycle; Immunohistochemistry                                                                                                                                                                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| NCBI GI #                        | 117168277                                                 |
| NCBI GeneID                      | 81539                                                     |
| NCBI Accession #                 | NP_001070952                                              |
| NCBI GenBank Nucleotide #        | NM_001077484                                              |
| UniProt Accession #              | Q9H2H9                                                    |
| Molecular Weight                 | 54kDa                                                     |
| NCBI Official Full Name          | sodium-coupled neutral amino acid transporter 1 isoform 1 |
| NCBI Official Synonym Full Names | solute carrier family 38 member 1                         |
| NCBI Official Symbol             | SLC38A1                                                   |
| NCBI Official Synonym Symbols    | ATA1; NAT2; SAT1; SNAT1                                   |
| NCBI Protein Information         | sodium-coupled neutral amino acid transporter 1           |
| UniProt Protein Name             | Sodium-coupled neutral amino acid transporter 1           |
| UniProt Gene Name                | <b>SLC38A1</b>                                            |
| UniProt Synonym Gene Names       | ATA1; NAT2; SAT1; SNAT1                                   |
| UniProt Entry Name               | S38A1_HUMAN                                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/slc38a1-antibody-western-blot-immunohistochemistry-elisa/199316>