

## Rabbit SLC39A5 Polyclonal Antibody | anti-SLC39A5 antibody

SLC39A5 antibody - N-terminal region

|                              |                       |                                                                             |                                                           |
|------------------------------|-----------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA23515</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

SLC39A5; Polyclonal Antibody; SLC39A5 antibody - N-terminal region; anti-SLC39A5 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                       |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                |
| Reactivity                                        | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat                                                                                                |
| Clonality                                         | Polyclonal                                                                                                                                            |
| Purity/Purification                               | Affinity Purified                                                                                                                                     |
| Form/Format                                       | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                          | Synthetic peptide located within the following region: MG SPVSHLLAGF CVWVVLGWVG GSVPNLGPAE QEQNHYLAQL FGLYGENG                                        |
| Sequence Length                                   | 539                                                                                                                                                   |
| Applicable Applications for anti-SLC39A5 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Homology                                          | Cow: 86%; Dog: 93%; Guinea Pig: 93%; Horse: 86%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%                                                    |
| Immunogen                                         | The immunogen is a synthetic peptide directed towards the N terminal region of human SLC39A5                                                          |
| 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



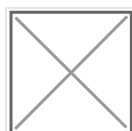
#### WB (Western Blot)

WB Suggested Anti-SLC39A5 Antibody Titration: 0.5ug/ml Positive Control: HepG2 cell lysate



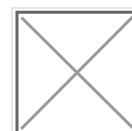
#### WB (Western Blot)

Host: Rabbit Target Name: SLC39A5 Sample Tissue: Human Jurkat Whole Cell Antibody Dilution: 1ug/ml



#### IHC (Immunohistochemistry)

Rabbit Anti-SLC39A5 antibody Formalin Fixed Paraffin Embedded Tissue: Human Uterus Primary antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20x Exposure Time: 0.5-2.0sec



#### IHC (Immunohistochemistry)

Rabbit Anti-SLC39A5 antibody Formalin Fixed Paraffin Embedded Tissue: Human Prostate Primary antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20x Exposure Time: 0.5-2.0sec

**IHC (Immunohistochemistry)**

Rabbit Anti-SLC39A5 antibody  
Formalin Fixed Paraffin Embedded Tissue: Human Colon  
Primary antibody Concentration: 1:100  
Secondary Antibody: Donkey anti-Rabbit-Cy3  
Secondary Antibody Concentration: 1:200  
Magnification: 20x  
Exposure Time: 0.5-2.0sec

**IHC (Immunohistochemistry)**

Human Liver

**ADDITIONAL INFORMATION**

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-SLC39A5 antibody</b> | <p>This is a rabbit polyclonal antibody against SLC39A5. It was validated on Western Blot and immunohistochemistry</p> <p>Target Description: Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A5 belongs to a subfamily of proteins that show structural characteristics of zinc transporters. Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A5 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003). [supplied by OMIM].</p> |
| <b>Product Categories/Family for anti-SLC39A5 antibody</b>   | <p>Polyclonal; Signal Proteins; Lymphocyte Signaling; Membrane Protein; Developmental Biology; Immunohistochemistry; Receptors</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**NCBI AND UNIPROT INFORMATION**

|                                         |                                   |
|-----------------------------------------|-----------------------------------|
| <b>NCBI GI #</b>                        | 206597539                         |
| <b>NCBI GeneID</b>                      | 283375                            |
| <b>NCBI Accession #</b>                 | NP_775867                         |
| <b>NCBI GenBank Nucleotide #</b>        | NM_173596                         |
| <b>UniProt Accession #</b>              | Q6ZMH5                            |
| <b>Molecular Weight</b>                 | 56kDa                             |
| <b>NCBI Official Full Name</b>          | zinc transporter ZIP5             |
| <b>NCBI Official Synonym Full Names</b> | solute carrier family 39 member 5 |
| <b>NCBI Official Symbol</b>             | SLC39A5                           |
| <b>NCBI Official Synonym Symbols</b>    | ZIP5; MYP24; LZT-Hs7              |
| <b>NCBI Protein Information</b>         | zinc transporter ZIP5             |
| <b>UniProt Protein Name</b>             | Zinc transporter ZIP5             |
| <b>UniProt Gene Name</b>                | <b>SLC39A5</b>                    |
| <b>UniProt Synonym Gene Names</b>       | ZIP5; ZIP-5                       |
| <b>UniProt Entry Name</b>               | S39A5_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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