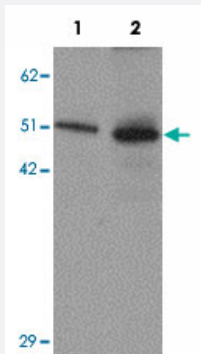


# SLC39A7 polyclonal antibody

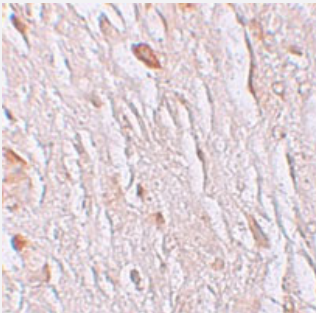
Catalog # PAB19352      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of SLC39A7 in mouse brain tissue lysate with SLC39A7 polyclonal antibody (Cat # PAB19352) at (1) 0.5 and (2) 1 ug/mL.



### Immunohistochemistry

Immunohistochemical staining of human brain cells with SLC39A7 polyclonal antibody (Cat # PAB19352) at 2.5 ug/mL.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of SLC39A7.
<b>Immunogen</b>	A synthetic peptide corresponding to 17 amino acids near N-terminus of human SLC39A7.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Peptide affinity purification

Concentration	1 mg/mL
Recommend Usage	Western Blot (0.5-1 ug/mL) Immunohistochemistry (2.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western blot analysis of SLC39A7 in mouse brain tissue lysate with SLC39A7 polyclonal antibody (Cat # PAB19352) at (1) 0.5 and (2) 1 ug/mL.

- Immunohistochemistry

Immunohistochemical staining of human brain cells with SLC39A7 polyclonal antibody (Cat # PAB19352) at 2.5 ug/mL.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — SLC39A7

Entrez GeneID	<a href="#">7922</a>
Protein Accession#	<a href="#">NP_001070984</a>
Gene Name	SLC39A7
Gene Alias	D6S115E, D6S2244E, H2-KE4, HKE4, KE4, RING5, ZIP7
Gene Description	solute carrier family 39 (zinc transporter), member 7
Omim ID	<a href="#">601416</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

Zinc is an essential cofactor for more than 50 classes 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. Zinc cannot passively diffuse across cell membranes and requires specific transporters, such as SLC39A7, to enter the cytosol from both the extracellular environment and from intracellular storage compartments.[supplied by OMIM]

**Other Designations**

HLA class II region expressed gene KE4|Ke4 gene, mouse, human homolog of|OTTHUMP00000029348|OTTHUMP00000029349|solute carrier family 39, member 7

**Disease**

- [Abortion](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Lupus Erythematosus](#)
- [Myocardial Infarction](#)
- [Stroke](#)