

## Rabbit ZIP7 Polyclonal Antibody | anti-SLC39A7 antibody

ZIP7 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                  |
|-----------|--------|-------------------|---------------------------------------------------------------|
| AAA40294  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot, ELISA |

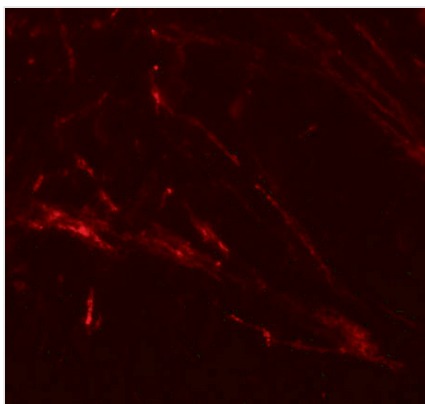
### PRODUCT SYNONYMS

ZIP7; Polyclonal Antibody; ZIP7 Antibody; KE4; HKE4; RING5; H2-KE4; D6S115E; D6S2244E; Zinc transporter SLC39A7; Histidine-rich membrane protein Ke4; solute carrier family 39 (zinc transporter); member 7; anti-SLC39A7 antibody

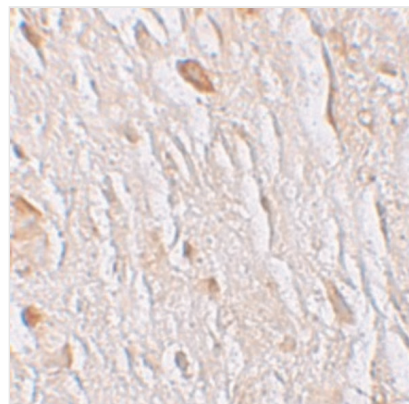
### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                            |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                                                     |
| Reactivity                                        | Human, Mouse, Rat                                                                                                                                                                                                                                          |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                                                 |
| Isotype                                           | IgG                                                                                                                                                                                                                                                        |
| Purity/Purification                               | ZIP7 Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                       | Liquid                                                                                                                                                                                                                                                     |
| Concentration                                     | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                    |
| Sequence Length                                   | 469                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-SLC39A7 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                                              |
| Conjugate                                         | Unconjugated                                                                                                                                                                                                                                               |
| Immunogen                                         | ZIP7 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human ZIP7.                                                                                                                                                  |
| Buffer                                            | ZIP7 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                           | ZIP7 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

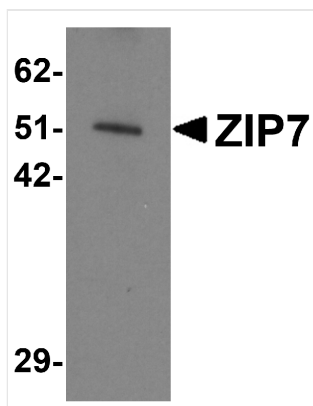
### IMAGES


**IF (Immunofluorescence)**

Immunofluorescence of ZIP7 in human brain tissue with ZIP7 antibody at 20 &amp;#956;g/mL.


**IHC (Immunohistochemistry)**

Immunohistochemistry of ZIP7 in human brain tissue with ZIP7 antibody at 2.5 &amp;#956;g/mL.



**WB (Western Blot)**  
 Western blot analysis of ZIP7 in mouse brain tissue lysate with ZIP7 antibody at 0.5 µg/mL.

### ADDITIONAL INFORMATION

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Related Product Information for anti-SLC39A7 antibody</b> | ZIP7 Antibody: The zinc transporter ZIP7, also known as SLC39A7, is a member of a family of divalent ion transporters. Zinc is an essential ion for cells and plays significant roles in the growth, development, and differentiation. ZIP7 was initially identified while characterizing genes in the major histocompatibility complex on chromosome 17. ZIP7 mRNA is abundantly and widely expressed and the protein localizes to the Golgi apparatus. It functions to transport intracellular zinc from the Golgi apparatus to the cytoplasm of the cell. ZIP7 expression is induced by zinc. ZIP7 has been suggested to act as a hub for tyrosine kinase activation and may thus be a potential therapeutic target for diseases such as cancer where prevention of tyrosine kinase activation would be advantageous. |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 117553619                                                                                                                                                                                                                                    |
| NCBI GeneID                      | 7922                                                                                                                                                                                                                                         |
| NCBI Accession #                 | NP_001070984                                                                                                                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001077516.1                                                                                                                                                                                                                               |
| UniProt Accession #              | Q92504; Q5STP8; Q9UIQ0; B0UXF6                                                                                                                                                                                                               |
| Molecular Weight                 | 50,118 Da                                                                                                                                                                                                                                    |
| NCBI Official Full Name          | zinc transporter SLC39A7 isoform 1                                                                                                                                                                                                           |
| NCBI Official Synonym Full Names | solute carrier family 39 (zinc transporter), member 7                                                                                                                                                                                        |
| NCBI Official Symbol             | SLC39A7                                                                                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | KE4; HKE4; ZIP7; RING5; H2-KE4; D6S115E; D6S2244E                                                                                                                                                                                            |
| NCBI Protein Information         | zinc transporter SLC39A7; zrt-, Irt-like protein 7; Ke4 gene, mouse, human homolog of; solute carrier family 39 member 7; histidine-rich membrane protein Ke4; really interesting new gene 5 protein; HLA class II region expressed gene KE4 |
| UniProt Protein Name             | Zinc transporter SLC39A7                                                                                                                                                                                                                     |
| UniProt Gene Name                | <b>SLC39A7</b>                                                                                                                                                                                                                               |
| UniProt Synonym Gene Names       | HKE4; RING5; ZIP7                                                                                                                                                                                                                            |
| UniProt Entry Name               | S39A7_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.

