

Product datasheet for **TA319740**

SLC39A7 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	ZIP7 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human ZIP7.
Formulation:	ZIP7 Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	ZIP7 Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	solute carrier family 39 member 7
Database Link:	NP_001070984 Entrez Gene 14977 Mouse Entrez Gene 294281 Rat Entrez Gene 7922 Human Q92504

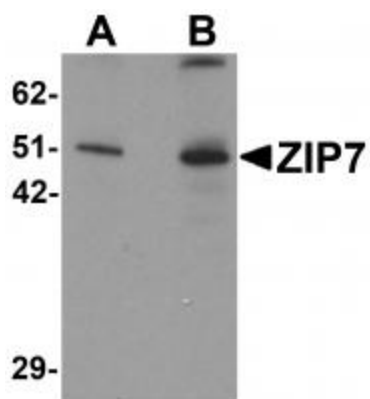
Background: ZIP7 Antibody: The zinc transporter ZIP7, also known as SLC39A7, is a member of a family of divalent ion transporters. Zinc is an essential ion for cells and plays significant roles in the growth, development, and differentiation. ZIP7 was initially identified while characterizing genes in 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 expressed by zinc. ZIP7 has been suggested to act 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.


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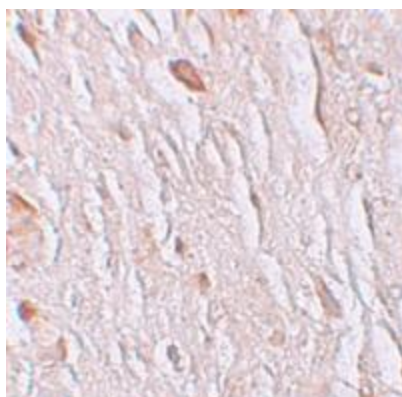
Synonyms: D6S115E; D6S2244E; H2-KE4; HKE4; KE4; RING5; ZIP7

Protein Families: Transmembrane

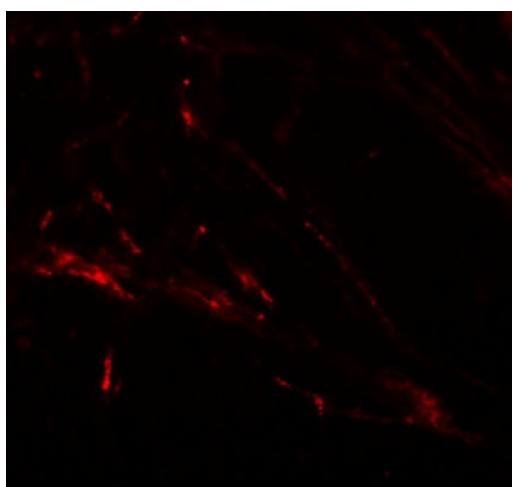
Product images:



Western blot analysis of ZIP7 in mouse brain tissue lysate with ZIP7 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of ZIP7 in human brain tissue with ZIP7 antibody at 2.5 ug/mL.



Immunofluorescence of ZIP7 in human brain tissue with ZIP7 antibody at 20 ug/mL.