

ZIP7 Antibody

Tested Species Reactivity
Human (Hu)
Mouse (Ms)
Rat (Rt)

Tested Applications	Dilution *
Western Blot (WB)	0.5-1 ug/ml
Immunofluorescence (IF)	20 ug/ml
Immunocytochemistry (ICC)	20 ug/ml
Immunohistochemistry (IHC)	2.5 ug/ml

\* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	PA5-21072
Size:	100 ug
Class:	Polyclonal
Type:	Antibody
Clone:	
Host / Isotype:	Rabbit / IgG
Immunogen:	A 17 amino acid peptide near the amino terminus of human ZIP7.

Form Information	
Form:	Liquid
Concentration:	1mg/ml
Purification:	Antigen affinity chromatography
Storage Buffer:	PBS
Preservative:	0.02% sodium azide
Storage Conditions:	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C

Product Specific Information	General Information
A suggested positive control is mouse brain tissue lysate.	
PA5-21072 can be used with blocking peptide PEP-1186.	
<i>For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.</i>	

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.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample turned to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.