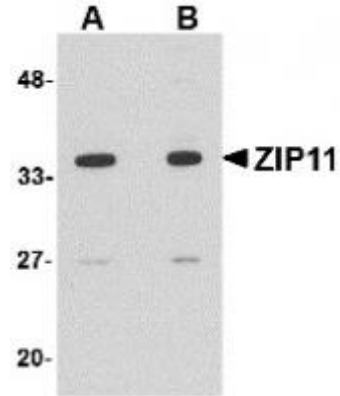


AP31005PU-N**Polyclonal Antibody to Zinc transporter ZIP11 / SLC39A11 - Aff - Purified**

Alternate names:	C17orf26, Solute carrier family 39 member 11, ZIP-11, ZIP11, Zrt-and Irt-like protein 11
Quantity:	0.1 mg
Background:	ZIP11, also known as Slc39A11, is a member of the broader ZIP family of multi-transmembrane domain metal ion transporters. Zinc is an essential ion for cells and plays significant roles in the growth, development, and differentiation. Members of the ZIP family generally transport metal ions from the cell exterior or lumen of intracellular organelles into the cytoplasm, as opposed to the ZnT (SLC30) family of zinc transporters that serve to reduce intracellular zinc availability by promoting zinc efflux from cells or into intracellular vesicles. At least three isoforms of ZIP11 are known to exist.
Uniprot ID:	B2R8H7
NCBI:	EAW89107
GeneID:	201266
Host / Isotype:	Rabbit / IgG
Immunogen:	ZIP11 antibody was raised against a 15 amino acid peptide near the center of the human ZIP11
Format:	State: Liquid Ig fraction Purification: Affinity chromatography Buffer System: PBS containing 0.02% sodium azide
Applications:	ELISA. Western blot: 1 – 2 µg/ml. Immunohistochemistry on paraffin sections: 2.5µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Zinc transporter ZIP11 / SLC39A11. It will not cross-react with the zinc transporter ZIP10.
Species Reactivity:	Tested: Human, mouse, rat
Add. Information:	Blocking peptide available: AP31005CP-N
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Eide DJ. The SLC39 family of metal ion transporters. Pflugers Arch. 2004 Feb;447(5):796-800. Epub 2003 May 14. PubMed PMID: 12748861. 2. Taylor KM, Nicholson RI. The LZT proteins; the LIV-1 subfamily of zinc transporters. Biochim Biophys Acta. 2003 Apr 1;1611(1-2):16-30. PubMed PMID: 12659941. 3. Liuzzi JP and Cousins RJ. Mammalian zinc transporters. Annu. Rev. Nutr. 2004; 24:151-72.

Pictures:

Western blot analysis of ZIP11 in mouse kidney tissue lysate with ZIP11 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of ZIP11 in mouse kidney tissue with ZIP11 antibody at 2.5 ug/mL.

