

TIP47 Antibody

Catalog No: #24440

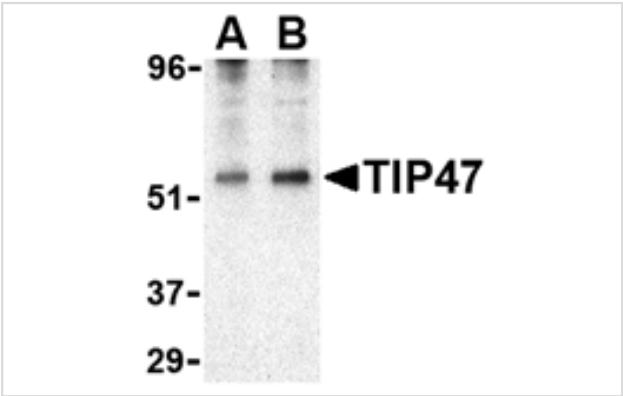


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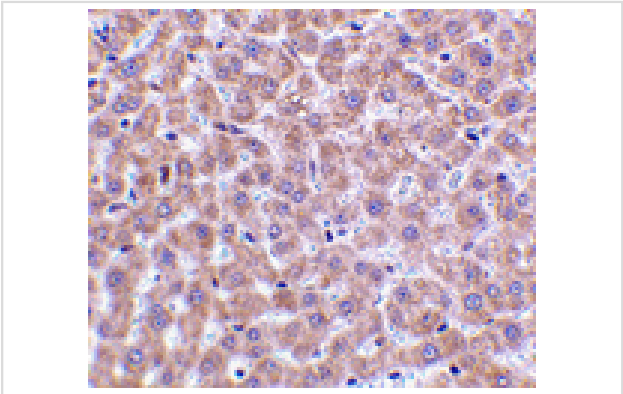
Description

Product Name	TIP47 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide from near the amino terminus of human TIP47.
Target Name	TIP47
Other Names	Tail-interacting protein 47, mannose-6-phosphate receptor binding protein 1, placental protein 17
Accession No.	O60664
Uniprot	O60664
GeneID	10226;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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



Western blot analysis of TIP47 in EL4 cell lysate with TIP47 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of TIP47 in rat liver tissue with TIP47 antibody at 2 ug/mL.

Background

Tail-interacting protein (TIP47) is a cytosolic protein essential for the transport of mannose-6-phosphate receptors (MPRs) from endosomes to the trans-Golgi compartments in cells. TIP47 is recruited from the cytoplasm to the late endosomal surface by the Ras-associated protein Rab9 GTPase, enabling it to bind more efficiently to MPR cytoplasmic domains. Recently, it was shown that TIP47 regulates the expression of Rab9, as expression of siRNA to TIP47 in transfected cells dramatically decreased the half-life of the Rab9 protein in addition to stabilizing the subcellular localization of Rab9. At least two isoforms of TIP47 are known to exist.

Note: This product is for in vitro research use only