

## Rabbit TIP47 Polyclonal Antibody | anti-M6PRBP1 antibody

TIP47 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA39717  | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Western Blot, ELISA |

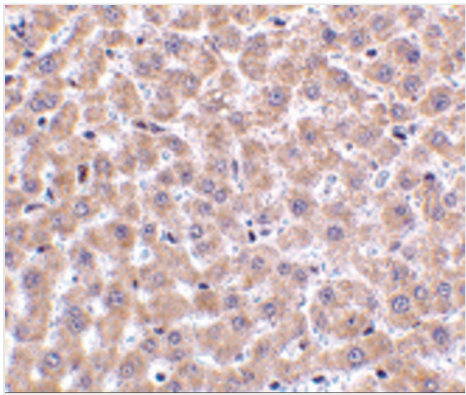
### PRODUCT SYNONYMS

TIP47; Polyclonal Antibody; TIP47 Antibody; PP17; M6PRBP1; Perilipin-3; 47 kDa mannose 6-phosphate receptor-binding protein; 47 kDa MPR-binding protein; mannose-6-phosphate receptor binding protein 1; anti-M6PRBP1 antibody

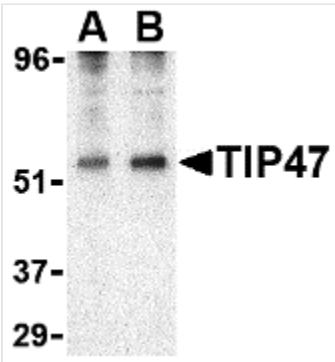
### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                             |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                                                                                      |
| Reactivity                                        | Human, Mouse, Rat                                                                                                                                                                                                                                           |
| Clonality                                         | Polyclonal                                                                                                                                                                                                                                                  |
| Isotype                                           | IgG                                                                                                                                                                                                                                                         |
| Purity/Purification                               | TIP47 Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                       | Liquid                                                                                                                                                                                                                                                      |
| Concentration                                     | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                     |
| Sequence Length                                   | 434                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-M6PRBP1 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                                                                        |
| Conjugate                                         | Unconjugated                                                                                                                                                                                                                                                |
| Immunogen                                         | TIP47 antibody was raised against a 14 amino acid synthetic peptide from near the amino terminus of human TIP47.                                                                                                                                            |
| Buffer                                            | TIP47 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                           | TIP47 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



IHC (Immunohistochemistry)  
Immunohistochemistry of TIP47 in rat liver tissue with TIP47 antibody at 2 &#956;g/mL.



WB (Western Blot)  
Western blot analysis of TIP47 in EL4 cell lysate with TIP47 antibody at (A) 0.5 and (B) 1 &#956;g/mL.

ADDITIONAL INFORMATION

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-M6PRBP1 antibody | TIP47 Antibody: 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. |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 68846601                                                                                                                                                                      |
| NCBI GeneID                      | 10226                                                                                                                                                                         |
| UniProt Accession #              | O60664; Q53G77; Q9BS03; Q9UBD7; Q9UP92; A8K4Y9; K7EQF4                                                                                                                        |
| Molecular Weight                 | Predicted: 48 kDa<br>Observed: 53 kDa                                                                                                                                         |
| NCBI Official Full Name          | Perilipin-3                                                                                                                                                                   |
| NCBI Official Synonym Full Names | perilipin 3                                                                                                                                                                   |
| NCBI Official Symbol             | PLIN3                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | PP17; TIP47; M6PRBP1                                                                                                                                                          |
| NCBI Protein Information         | perilipin-3; placental protein 17; 47 kDa MPR-binding protein; cargo selection protein TIP47; tail-interacting protein, 47 kD; mannose-6-phosphate receptor-binding protein 1 |
| UniProt Protein Name             | Perilipin-3                                                                                                                                                                   |
| UniProt Gene Name                | PLIN3                                                                                                                                                                         |
| UniProt Synonym Gene Names       | M6PRBP1; TIP47; 47 kDa MPR-binding protein; PP17                                                                                                                              |
| UniProt Entry Name               | PLIN3_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.