

Datasheet for ABIN500923
anti-PLIN3 antibody (N-Term)



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2 Images

Overview

| | |
|----------------------|--|
| Quantity: | 0.1 mg |
| Target: | PLIN3 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PLIN3 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA) |

Product Details

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|-----------------------------|--|
| Immunogen: | TIP47 antibody was raised against a 14 amino acid peptide from near the amino terminus of human TIP47. |
| Isotype: | IgG |
| Specificity: | This antibody detects TIP47 / M6PRBP1 at N-term. |
| Cross-Reactivity (Details): | Species reactivity (tested): Human, mouse, rat |
| Purification: | Peptide affinity chromatography |

Target Details

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|---------|-------|
| Target: | PLIN3 |
|---------|-------|

Target Details

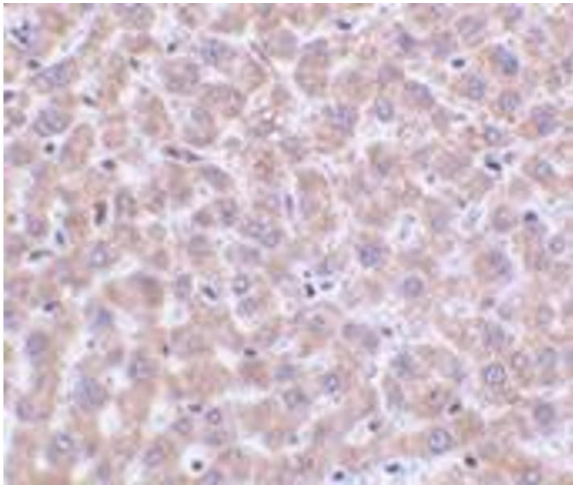
| | |
|-------------------|---|
| Alternative Name: | TIP47 / M6PRBP1 (PLIN3 Products) |
| Background: | Tail-interacting protein (TIP47) is a cytosolic protein essential for the transport of mannose-6-phosphate receptors (MPRs) from endosomes to the trans-Golgi compartments in cells. TIP47 is recruited 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. Synonyms: 47 kDa mannose 6-phosphate receptor-binding protein, Cargo selection protein TIP47, Mannose-6-phosphate receptor-binding protein 1, Placental protein 17 |
| Gene ID: | 10226 |
| UniProt: | O60664 |

Application Details

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|--------------------|---|
| Application Notes: | ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Restrictions: | For Research Use only |

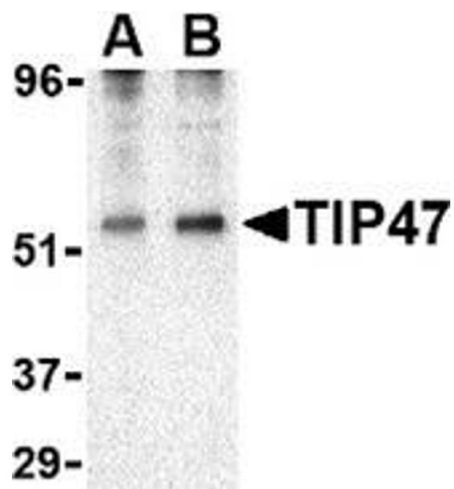
Handling

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|--------------------|--|
| Buffer: | PBS containing 0.02 % sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. |



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of TIP47 in rat liver tissue with this product at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of TIP47 in EL4 cell lysate with this product at (A) 0.5 and (B) 1 µg/ml.