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perilipin 3 / TIP47 (aa154-167) Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF3907a

Specification

perilipin 3 / TIP47 (aa154-167) Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	O60664
Other Accession	NP_005808.3, NP_001157661.1, NP_001157666.1, 10226
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**47075**

perilipin 3 / TIP47 (aa154-167) Antibody (internal region) - Additional Information

Gene ID 10226

Other Names
Perilipin-3, 47 kDa mannose 6-phosphate receptor-binding protein, 47 kDa MPR-binding protein, Cargo selection protein TIP47, Mannose-6-phosphate receptor-binding protein 1, Placental protein 17, PP17, PLIN3, M6PRBP1, TIP47

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
perilipin 3 / TIP47 (aa154-167) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

perilipin 3 / TIP47 (aa154-167) Antibody (internal region) - Protein Information

Name PLIN3

Synonyms M6PRBP1, TIP47 {ECO:0000303|PubMed:95901

Function
Structural component of lipid droplets, which is required for the formation and maintenance of lipid storage droplets (PubMed:34077757). Required for the transport of mannose 6-phosphate receptors

(MPR) from endosomes to the trans-Golgi network (PubMed:9590177).

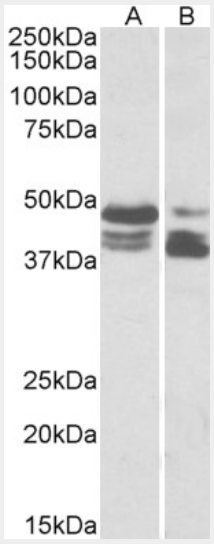
Cellular Location
Lipid droplet. Endosome membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm. Note=Membrane associated on endosomes (PubMed:15545278). Detected in the envelope and the core of lipid bodies and in lipid sails (PubMed:15545278)

perilipin 3 / TIP47 (aa154-167) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

perilipin 3 / TIP47 (aa154-167) Antibody (internal region) - Images



AF3907a (0.03 µg/ml) staining of HeLa (lane 1) and Human Colon cancer (lane two) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

perilipin 3 / TIP47 (aa154-167) Antibody (internal region) - Background

This antibody is expected to recognize all reported isoforms (NP_005808.3; NP_001157661.1; NP_001157666.1).

perilipin 3 / TIP47 (aa154-167) Antibody (internal region) - References

TIP47 protects mitochondrial membrane integrity and inhibits oxidative-stress-induced cell death. Hocsak E, Racz B, Szabo A, Mester L, Rapolti E, Pozsgai E, Javor S, Bellyei S, Gallyas F Jr, Sumegi B, Szigeti A. FEBS Lett. 2010 Jul 2;584(13):2953-60. PMID: 20556887