

Mouse Plin3 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19365b

Product Information

Application	WB, E
Primary Accession	Q9DBG5
Other Accession	NP_080112.1
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30532
Calculated MW	47262
Antigen Region	296-322

Additional Information

Gene ID	66905
Other Names	Perilipin-3, Cargo selection protein TIP47, Mannose-6-phosphate receptor-binding protein 1, Plin3, M6prbp1, Tip47
Target/Specificity	This Mouse Plin3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 296-322 amino acids from the C-terminal region of mouse Plin3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Mouse Plin3 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Plin3
Synonyms	M6prbp1, Tip47 {ECO:0000303 PubMed:15242}

Function	Structural component of lipid droplets, which is required for the formation and maintenance of lipid storage droplets. Required for the transport of mannose 6-phosphate receptors (MPR) from endosomes to the trans-Golgi network.
Cellular Location	Lipid droplet {ECO:0000250 UniProtKB:O60664}. Endosome membrane {ECO:0000250 UniProtKB:O60664}; Peripheral membrane protein {ECO:0000250 UniProtKB:O60664}; Cytoplasmic side {ECO:0000250 UniProtKB:O60664}. Cytoplasm {ECO:0000250 UniProtKB:O60664}. Note=Membrane associated on endosomes Detected in the envelope and the core of lipid bodies and in lipid sails. {ECO:0000250 UniProtKB:O60664}

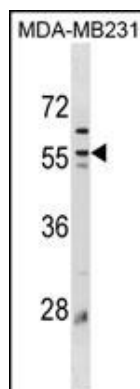
Background

Plin3 is required for the transport of mannose 6-phosphate receptors (MPR) from endosomes to the trans-Golgi network (By similarity).

References

Hocsak, E., et al. FEBS Lett. 584(13):2953-2960(2010)
Lee, B., et al. Biochim. Biophys. Acta 1791(12):1173-1180(2009)
Skinner, J.R., et al. J. Biol. Chem. 284(45):30941-30948(2009)
Bell, M., et al. Diabetes 57(8):2037-2045(2008)
Straub, B.K., et al. Hepatology 47(6):1936-1946(2008)

Images



Mouse Plin3 Antibody (C-term)(Cat. #AP19365b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the Mouse Plin3 antibody detected the Mouse Plin3 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.