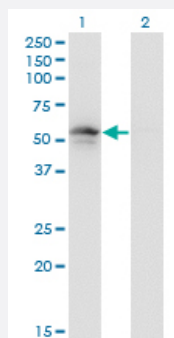


PLIN3 monoclonal antibody (M01), clone 2F7

Catalog # H00010226-M01

Size 100 ug

Applications

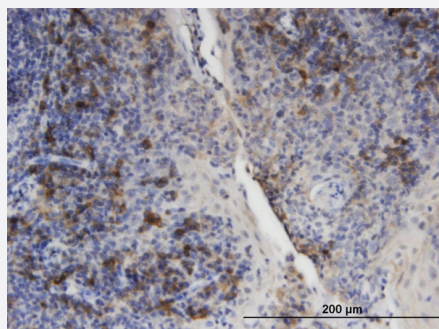


Western Blot (Transfected lysate)

Western Blot analysis of PLIN3 expression in transfected 293T cell line by PLIN3 monoclonal antibody (M01), clone 2F7.

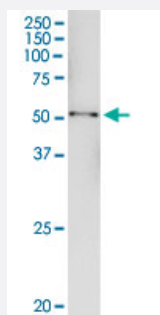
Lane 1: PLIN3 transfected lysate (Predicted MW: 47 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PLIN3 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]

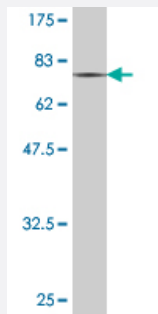
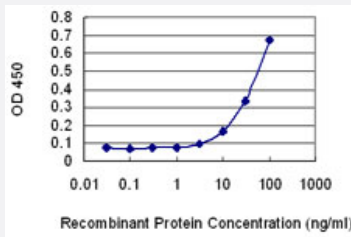


Immunoprecipitation

Immunoprecipitation of PLIN3 transfected lysate using anti-PLIN3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PLIN3 monoclonal antibody.

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PLIN3 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (73.48 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant PLIN3.
Immunogen	PLIN3 (AAH01590, 1 a.a. ~ 434 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSADGAEADGSTQVTVEEPVQQPSVVDRVASMPLISSTCDMVSAAYASTKESYPHVKTVCDAAEKGVRTLTA AAVSGAQPILSKLEPQIASASEYAHRLDKLEENLPILQQPTEKVLADTKELVSSKVSQAQEMVSSAKDTVATQLSEAVDATRGAVQSGVDKTKSVVTGGVQSVMGSRGQMVLSGVDTVLGKSEEWADNHLPLTDAELARIATSLDGFVDASVQQQRQEYSYFVRLGSLSERLRQHAYEHSLGKLRATKQRAQEALLQLSQALSLMETVKQGVDQKLVEGQEKLHQMWLSWNQKQLQGPEKEPPKPEQVESRALTMFRDIAQQLQATCTSLGSSIQGLPTNVKDQVQQARRQVEDLQATFSSIHFSFDLSSSILAQSRERVASAREALDHMVEYVAQNTPVTWLVPFAPGITEKAPEKK
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (73.48 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PLIN3 expression in transfected 293T cell line by PLIN3 monoclonal antibody (M01), clone 2F7.

Lane 1: PLIN3 transfected lysate (Predicted MW: 47 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PLIN3 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]

[Protocol Download](#)

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Immunoprecipitation of PLIN3 transfected lysate using anti-PLIN3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PLIN3 monoclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PLIN3 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PLIN3

Entrez GeneID	10226
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GeneBank Accession#	BC001590
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Protein Accession#	AAH01590
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Gene Name	PLIN3
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Gene Alias	MGC11117, MGC2012, PP17, TIP47, M6PRBP1
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Gene Description	mannose-6-phosphate receptor binding protein 1
Omim ID	602702
Gene Ontology	Hyperlink
Gene Summary	Mannose 6-phosphate receptors (MPRs) deliver lysosomal hydrolase from the Golgi to endosome s and then return to the Golgi complex. The protein encoded by this gene interacts with the cytoplasmic domains of both cation-independent and cation-dependent MPRs, and is required for endosome-to-Golgi transport. This protein also binds directly to the GTPase RAB9 (RAB9A), a member of the RAS oncogene family. The interaction with RAB9 has been shown to increase the affinity of this protein for its cargo. Multiple transcript variants encoding different isoforms have been found for this gene
Other Designations	MPR-BINDING PROTEIN, 47-KD MPR-binding protein 47 kDa cargo selection protein (mannose 6 phosphate receptor binding protein) cargo selection protein TIP47 mannose 6 phosphate receptor binding protein 1 placental protein 17 tail-interacting protein, 47 kD