

Rabbit Perilipin 3 Polyclonal Antibody | anti-PLIN3 antibody

Anti-Perilipin 3 Antibody

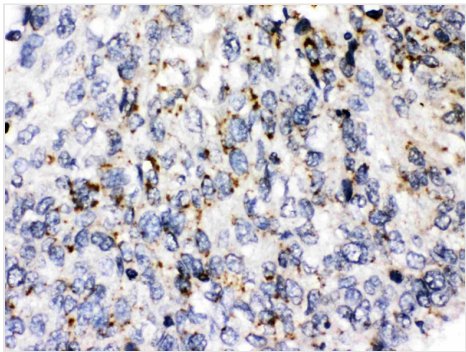
CATALOG # AAA46653	HOST Rabbit	REACTIVITY Human, Mouse, Rat No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

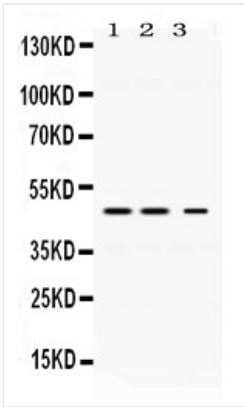
Perilipin 3; Polyclonal Antibody; Anti-Perilipin 3 Antibody; M6PRBP 1; M6PRBP1; Perilipin3; Perilipin-3; PLIN3; pp17; Placental protein 17; TIP47; O60664; perilipin 3; anti-PLIN3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	433
Applicable Applications for anti-PLIN3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Perilipin 3 (323-365aa ESRALTMFRDIAQQLQATCTSLGSSIQGLPTNVKDQVQQA RRQ), different from the related mouse sequence by fourteen amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Perilipin 3 was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- Perilipin 3 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of Perilipin 3 expression in rat liver extract (lane 1), mouse kidney extract (lane 2) and HELA whole cell lysates (lane 3). Perilipin 3 at 47KD was detected using rabbit anti- Perilipin 3 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-PLIN3 antibody	Rabbit IgG polyclonal antibody for Perilipin-3 (PLIN3) detection. Background: Mannose-6-phosphate receptor binding protein 1 (M6PRBP1), also known as Perilipin 3 (PLN3) or TIP47, is a protein which in humans is encoded by the M6PRBP1 gene. Mannose 6-phosphate receptors (MPRs) deliver lysosomal hydrolase from the Golgi to endosomes 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.
References	1. "Entrez Gene: M6PRBP1 mannose-6-phosphate receptor binding protein 1". 2. Bulankina AV, Deggerich A, Wenzel D, Mutenda K, Wittmann JG, Rudolph MG, Burger KN, Höning S (May 2009)."TIP47 functions in the biogenesis of lipid droplets". J. Cell Biol. 185 (4): 641-55. 3. Carroll KS, Hanna J, Simon I, Krise J, Barbero P, Pfeffer SR. (May 2001). "Role of Rab9 GTPase in facilitating receptor recruitment by TIP47.". Science 292(5520): 1373-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	255958289
NCBI GeneID	10226
NCBI Accession #	NP_001157661.1
NCBI GenBank Nucleotide #	NM_001164189.1
UniProt Accession #	O60664; Q53G77; Q9BS03; Q9UBD7; Q9UP92; A8K4Y9; K7EQF4
Molecular Weight	45,803 Da
NCBI Official Full Name	perilipin-3 isoform 2
NCBI Official Synonym Full Names	perilipin 3
NCBI Official Symbol	PLIN3
NCBI Official Synonym Symbols	PP17; TIP47; M6PRBP1
NCBI Protein Information	perilipin-3
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/perilipin-3-antibody-immunohistochemistry-western-blot-elisa/46653>