Rabbit ADFP Polyclonal Antibody | anti-PLIN2 antibody

Anti-ADFP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46840	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

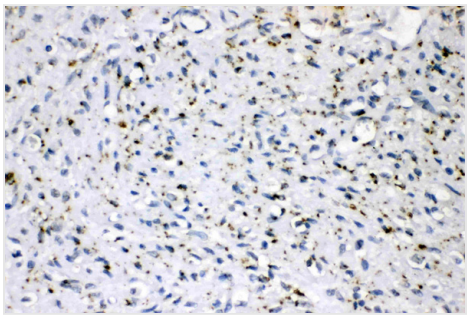
PRODUCT SYNONYMS

ADFP; Polyclonal Antibody; Anti-ADFP Antibody; Adipophilin; ADRP; Perilipin-2; PLIN2; Q99541; perilipin 2; anti-PLIN2 antibody

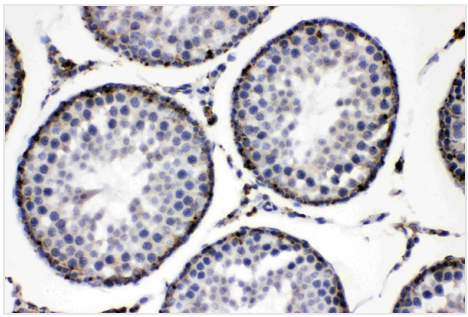
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	437
Applicable Applications for anti-PLIN2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E. coli-derived human ADFP recombinant protein (Position: K226-Q418). Human ADFP shares 88.4% amino acid (aa) sequence identity with mouse ADFP.
Preparation and Storage	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

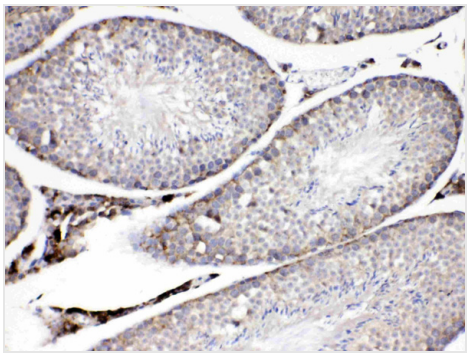
IMAGES



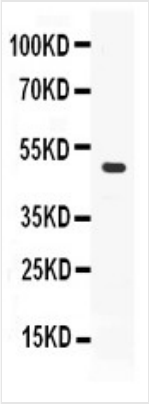
IHC (Immunohistochemistry)
ADFP was detected in paraffin-embedded sections of human mammary cancer tissues using rabbit anti- ADFP Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemisry)
ADFP was detected in paraffin-embedded sections of rat testis tissues using rabbit anti- ADFP Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohiostchemistry)
ADFP was detected in paraffin-embedded sections of mouse testis tissues using rabbit anti-ADFP Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of ADFP expression in MCF-7 whole cell lysates (lane 1). ADFP at 48KD was detected using rabbit anti- ADFP Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-PLIN2 antibody	Rabbit IgG polyclonal antibody for Perilipin-2(PLIN2) detection. Background: Adipose differentiation-related protein, also known as perilipin 2 (PLIN2), ADRP or adipophilin, is a protein which in humans is encoded by the ADFP gene. The protein encoded by this gene belongs to the perilipin family, members of which coat intracellular lipid storage droplets. This protein is associated with the lipid globule surface membrane material, and maybe involved in development and maintenance of adipose tissue. However, it is not restricted to adipocytes as previously thought, but is found in a wide range of cultured cell lines, including fibroblasts, endothelial and epithelial cells, and tissues, such as lactating mammary gland, adrenal cortex, Sertoli and Leydig cells, and hepatocytes in alcoholic liver cirrhosis, suggesting that it may serve as a marker of lipid accumulation in diverse cell types and diseases. Alternatively spliced transcript variants have been found for this gene.
References	1. Heid, H. W., Schnolzer, M., Keenan, T. W. Adipocyte differentiation-related protein is secreted into milk as a constituent of milk lipid globule membrane. Biochem. J. 320: 1025-1030, 1996. 2. Shaw, C. S., Sherlock, M., Stewart, P. M., Wagenmakers, A. J. M.Adipophilin distribution and colocalisation with lipid droplets in skeletal muscle. Histochem. Cell Biol. 131: 575-581, 2009.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34577059
NCBI GeneID	123
NCBI Accession #	NP_001113.2
NCBI GenBank Nucleotide #	NM_001122.3
UniProt Accession #	Q99541; Q9BSC3
NCBI Official Full Name	perilipin-2
NCBI Official Synonym Full Names	perilipin 2
NCBI Official Symbol	PLIN2
NCBI Official Synonym Symbols	ADFP; ADRP
NCBI Protein Information	perilipin-2
UniProt Protein Name	Perilipin-2
UniProt Gene Name	**PLIN2**
UniProt Synonym Gene Names	ADFP; ADRP

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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