

Product Datasheet

Adipophilin Antibody / Perilipin 2 / ADRP / PLIN2 (orb2641441)

Description	Recognizes a protein of 48kDa, which is identified as Adipophilin. It 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.
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	ELISA, IHC-P, WB
Immunogen	A portion of amino acids 249-376 from the human protein were used as the immunogen for this recombinant Adipophilin antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced) and 0.05% sodium azide
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.
Note	For research use only
Application notes	Titration of the recombinant Adipophilin antibody may be required for optimal performance.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide

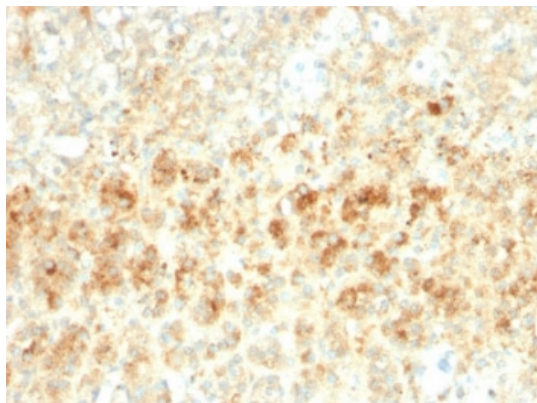
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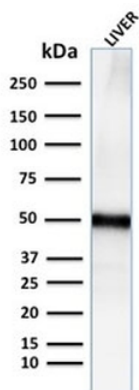
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Isotype	Rabbit IgG, kappa
Clonality	Recombinant
Clone Number	ADFP/2755R
Antibody Type	Primary Antibody
Purity	Protein A affinity chromatography
Uniprot ID	Q99541
Hazard Information	This recombinant Adipophilin antibody is available for research use only.
Dilution Range	ELISA (order BSA/sodium azide-free format for coating), Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Expiration Date	12 months from date of receipt.



IHC testing of FFPE human adrenal tissue with recombinant Adipophilin antibody (clone ADFP/2755R). Required HIER: steam sections in pH6, 10mM citrate buffer for 10-20 min.



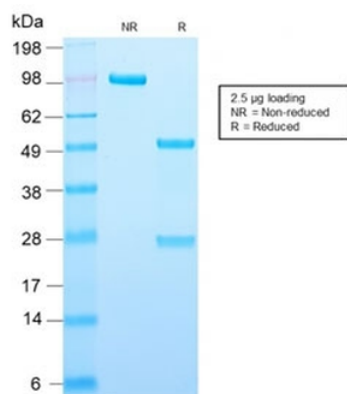
Western blot testing of human liver lysate with recombinant Adipophilin antibody. Predicted molecular weight ~48 kDa.

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SDS-PAGE analysis of purified, BSA-free recombinant Adipophilin antibody (clone ADFP/2755R) as confirmation of integrity and purity.

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