

For Research Use Only

Perilipin-2 Recombinant antibody, PBS Only (Capture)

Catalog Number:80362-3-PBS



Basic Information

Catalog Number: 80362-3-PBS	GenBank Accession Number: BC005127	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 123	CloneNo.: 230274D9
Source: Rabbit	UNIPROT ID: Q99541	
Isotype: IgG	Full Name: adipose differentiation-related protein	
Immunogen Catalog Number: AG7539	Calculated MW: 48 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

80362-3-PBS targets Perilipin-2 as part of a matched antibody pair:

MP00071-1: 80362-3-PBS capture and 80362-4-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

ADRP (adipocyte differentiation related protein) also known as ADFP, adipophilin, or perilipin-2, is a member of PAT family which is responsible for the transportation of lipids and the formation of lipid droplets. ADRP is localized on the surface of lipid droplets in a variety of tissues and cell lines. ADRP is not detected in undifferentiated cells but increases rapidly to high levels when adipocyte precursors differentiate into adipocytes. Anti-ADRP antibody is a reliable and sensitive marker for lipid droplet. Enhanced expression of ADRP is linked to diseases with abnormal lipid storage, including hepatic steatosis, atherosclerosis and diabetes. Immunohistochemistry of ADRP may facilitate histomorphological diagnosis of these diseases.

Storage

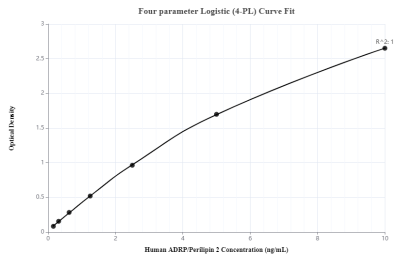
Storage:
Store at -80°C.

Storage Buffer:
100% PBS pH 7.3

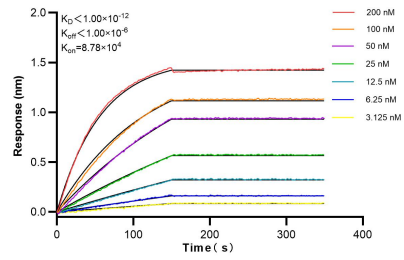
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Sandwich ELISA standard curve of MP00071-1, Perilipin-2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 80362-3-PBS. Detection antibody: 80362-4-PBS. Standard: Ag7539. Range: 0.156-10 ng/mL



Biolayer interferometry (BLI) kinetic assays of 80362-3-RR against Human ADRP were performed. The affinity constant is below 1 pM.