

For Research Use Only

CoraLite® Plus 488-conjugated Perilipin-2 Recombinant antibody

Catalog Number:CL488-80362-2



Basic Information

Catalog Number: CL488-80362-2	GenBank Accession Number: BC005127	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 123	CloneNo.: 230274F4
Source: Rabbit	UNIPROT ID: Q99541	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: adipose differentiation-related protein	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG7539	Calculated MW: 48 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : oleic acid treated HeLa cells,
Species Specificity: human	

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 -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

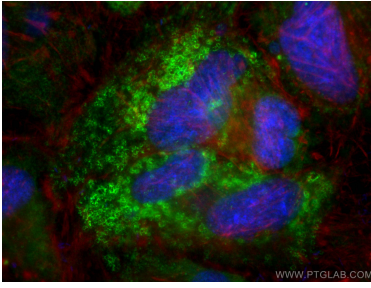
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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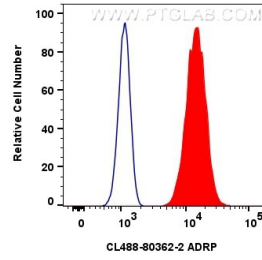
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed oleic acid treated HeLa cells using CoraLite® Plus 488 ADRP antibody (CL488-80362-2, Clone: 230274F4) at dilution of 1:200, CL594-phalloidin (red).



1x10⁶ HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 ADRP Recombinant Antibody (CL488-80362-2, Clone:230274F4) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.8 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).