

For Research Use Only

CoraLite® Plus 488-conjugated HSD17B4 Recombinant monoclonal antibody

Catalog Number: CL488-86334-2



Basic Information

Catalog Number:

CL488-86334-2

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7165

GenBank Accession Number:

BC003098

GeneID (NCBI):

3295

UNIPROT ID:

P51659

Full Name:

hydroxysteroid (17-beta)
dehydrogenase 4

Calculated MW:

80 kDa

Observed MW:

75 kDa, 45 kDa

Purification Method:

Protein A purification

CloneNo.:

251058E1

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : HeLa cells,

Background Information

HSD17B4 (17-beta-hydroxysteroid dehydrogenase 4) is also named as Peroxisomal multifunctional enzyme type 2, D-bifunctional protein or multifunctional protein 2. It codes for a 80 kDa enzyme containing three distinct functional domains and is localized in peroxisomes. It is a bifunctional enzyme acting on the peroxisomal beta-oxidation pathway for fatty acids and catalyzing the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids. After peroxisomal import, the full-length protein is proteolytically cleaved to yield a 35-kDa dehydrogenase subunit and a 45-kDa hydratase subunit containing the hydratase and SCP domains (PMID: 28868548, 24602372).

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 HSD17B4 antibody (CL488-86334-2, Clone: 251058E1) at dilution of 1:200.