

For Research Use Only

HSD17B4 Recombinant monoclonal antibody

Catalog Number:86334-2-RR



Basic Information

Catalog Number: 86334-2-RR	GenBank Accession Number: BC003098	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 3295	CloneNo.: 251058E1
Isotype: IgG	UNIPROT ID: P51659	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:250-1:1000
Immunogen Catalog Number: AG7165	Full Name: hydroxysteroid (17-beta) dehydrogenase 4	
	Calculated MW: 80 kDa	
	Observed MW: 75 kDa, 45 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : K-562 cells, HeLa cells, HepG2 cells, mouse liver tissue
	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. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

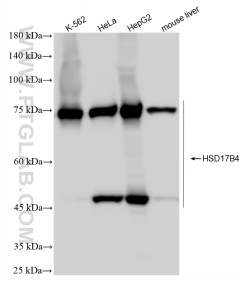
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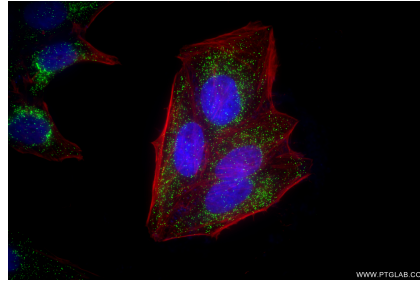
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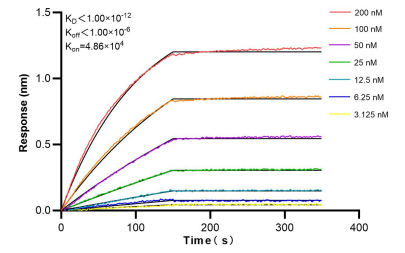
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86334-2-RR (HSD17B4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HSD17B4 antibody (86334-2-RR, Clone: 251058E1) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Bi-layer interferometry (BLI) kinetic assays of 86334-2-RR against Human HSD17B4 were performed. The affinity constant is below 1 pM.