

For Research Use Only

HSD17B12 Polyclonal antibody, PBS Only

Catalog Number: 27461-1-PBS



Basic Information

Catalog Number: 27461-1-PBS	GenBank Accession Number: BC012043	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 51144	
Source: Rabbit	UNIPROT ID: Q53GQ0	
Isotype: IgG	Full Name: hydroxysteroid (17-beta) dehydrogenase 12	
Immunogen Catalog Number: AG26540	Calculated MW: 312 aa, 34 kDa	
	Observed MW: 30 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

Hydroxysteroid 17-beta dehydrogenase 12 (HSD17B12, also known as KAR and SDR12C1) is a key enzyme of steroid metabolism pathway¹⁹ and is the human homolog of the yeast 3-ketoacyl-CoA reductase that catalyzes the second reaction in each VLCFA elongation cycle (PMID: 16166196; 12482854). It also acts as a drug-metabolizing enzyme (PMID: 36724833). HSD17B12 deficiency in embryonic stem cells reduced the production of arachidonic acid, a precursor of prostaglandins (PMID: 20130115).

Storage

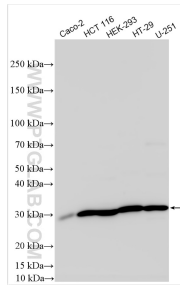
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

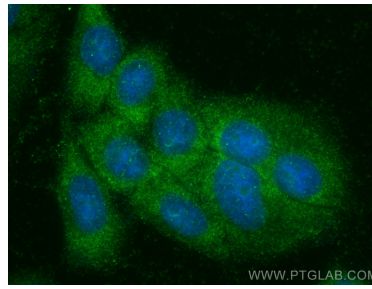
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

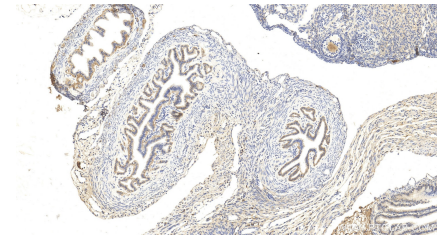
Selected Validation Data



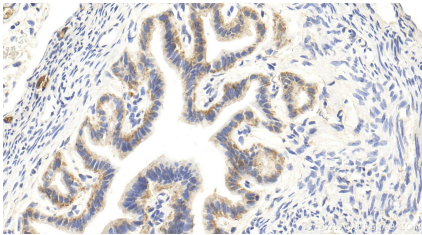
Various lysates were subjected to SDS PAGE followed by western blot with 27461-1-AP (HSD17B12 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27461-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using HSD17B12 antibody (27461-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 27461-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 27461-1-AP (HSD17B12 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27461-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 27461-1-AP (HSD17B12 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27461-1-PBS in a different storage buffer formulation.