

For Research Use Only

HSD17B12 Polyclonal antibody

Catalog Number: 31463-1-AP



Basic Information

Catalog Number: 31463-1-AP	GenBank Accession Number: BC012043	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 250 ug/ml by Nanodrop;	GeneID (NCBI): 51144	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:300-1:1200
Source: Rabbit	UNIPROT ID: Q53GQ0	
Isotype: IgG	Full Name: hydroxysteroid (17-beta) dehydrogenase 12	
Immunogen Catalog Number: AG34833	Calculated MW: 312 aa, 34 kDa	
	Observed MW: ~34 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : HT-29 cells, HuH-7 cells, MDA-MB-231 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human stomach cancer tissue,

Background Information

HSD17B12 (17 β -hydroxysteroid dehydrogenase 12) is an important protein belonging to the hydroxysteroid dehydrogenase family, which is mainly involved in the metabolism of steroids and fatty acids in the body. It has diverse functions in cells and is involved in various biochemical reactions, especially playing a key role in sex hormone synthesis and fatty acid elongation. HSD17B12 can convert estrone into estradiol in ovarian tissue. This enzyme is also involved in fatty acid elongation. HSD17B12 is expressed in a variety of tissues, especially in the brain tissue and the digestive system. In disease states, such as colorectal cancer (CRC), the expression level of HSD17B12 is significantly increased, suggesting that it may play a role in the occurrence and development of tumors.

Storage

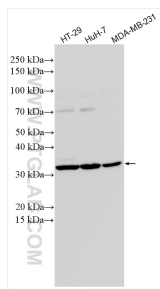
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

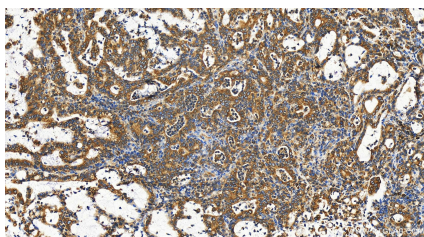
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

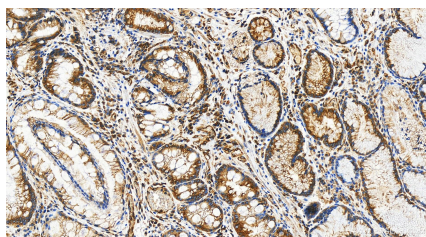
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31463-1-AP (HSD17B12 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 31463-1-AP (HSD17B12 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 31463-1-AP (HSD17B12 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).