

HSD17B12 Polyclonal antibody

Catalog Number: 31463-1-AP

Basic Information

Catalog Number:

31463-1-AP

Size:

250 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34833

GenBank Accession Number:

BC012043

GeneID (NCBI):

51144

UNIPROT ID:

Q53GQ0

Full Name:

hydroxysteroid (17-beta)
dehydrogenase 12

Calculated MW:

312 aa, 34 kDa

Observed MW:

~34 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:300-1:1200

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : HT-29 cells, HuH-7 cells, MDA-MB-231 cells

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

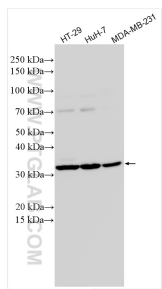
For technical support and original validation data for this product please contact:

T: 4006900926

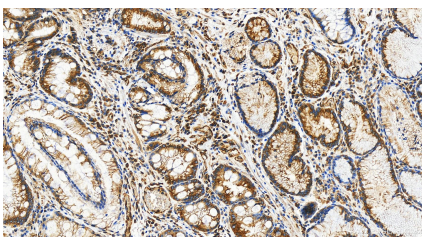
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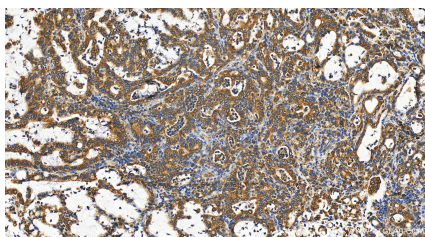
Selected Validation Data



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).



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