

For Research Use Only

HSD17B12 Polyclonal antibody, PBS Only

Catalog Number: 27461-1-PBS



Basic Information

Catalog Number:

27461-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26540

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:

30 kDa

Purification Method:

Antigen affinity purification

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

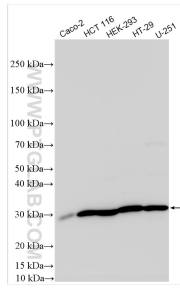
T: 4006900926

E: Proteintech-CN@ptglab.com

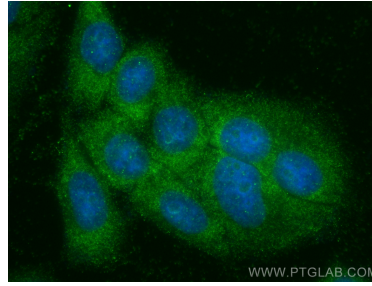
W: ptgcn.com

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

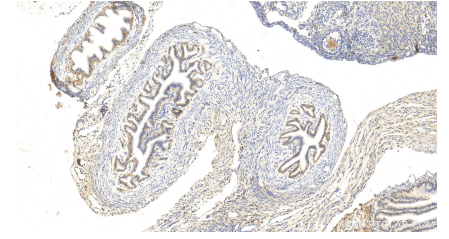
Selected Validation Data



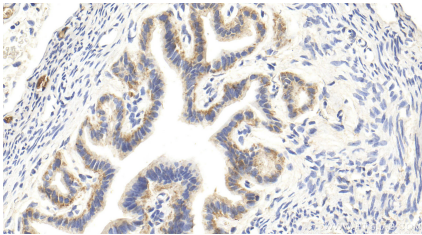
Various lysates were subjected to SDS PAGE followed by western blot with 27461-1-AP (HSD17B12 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27461-1-PBS in a different storage buffer formulation.



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.