

For Research Use Only

HSD17B12 Polyclonal antibody

Catalog Number: 27461-1-AP



Basic Information

Catalog Number:

27461-1-AP

Size:

300 ug/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

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : Caco-2 cells, HCT 116 cells, HEK-293 cells, HT-29 cells, U-251 cells

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 -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:

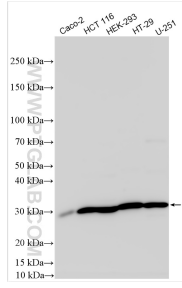
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.