HSD17B12 rabbit monoclonal antibody

Catalog # H00051144-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HSD17B12 peptide using ARM Technology.
Immunogen	A synthetic peptide of human HSD17B12 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HSD17B12 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — HSD17B12

Entrez GeneID	51144
GeneBank Accession#	HSD17B12
Gene Name	HSD17B12
Gene Alias	KAR, SDR12C1
Gene Description	hydroxysteroid (17-beta) dehydrogenase 12
Omim ID	609574
Gene Ontology	Hyperlink
Gene Summary	The enzyme 17-beta hydroxysteroid dehydrogenase-12 (HSD17B12) uses NADPH to reduce 3-ketoacyl-CoA to 3-hydroxyacyl-CoA during the second step of fatty acid elongation.[supplied by OMIM
Other Designations	17beta-HSD type 12|3-ketoacyl-CoA reductase|short chain dehydrogenase/reductase family 12C, member 1|steroid dehydrogenase homolog

Pathway

- Androgen and estrogen metabolism
- Biosynthesis of unsaturated fatty acids
- Metabolic pathways

Disease

- Breast cancer
- Breast Neoplasms
- Genetic Predisposition to Disease
- Narcolepsy
- Ovarian cancer

- Ovarian Neoplasms