AKR1D1 rabbit monoclonal antibody

Catalog # H00006718-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human AKR1D1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human AKR1D1 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 AKR1D1 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 in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — AKR1D1

Entrez GeneID	6718
GeneBank Accession#	AKR1D1
Gene Name	AKR1D1
Gene Alias	3o5bred, SRD5B1
Gene Description	aldo-keto reductase family 1, member D1 (delta 4-3-ketosteroid-5-beta-reductase)
Omim ID	604741
Gene Ontology	Hyperlink
Gene Summary	The enzyme encoded by this gene is responsible for the catalysis of the 5-beta-reduction of bile a cid intermediates and steroid hormones carrying a delta(4)-3-one structure. Deficiency of this enz yme may contribute to hepatic dysfunction. [provided by RefSeq
Other Designations	aldo-keto reductase family 1, member D1|steroid 5-beta-reductase|steroid-5-beta-reductase, bet a polypeptide 1 (3-oxo-5 beta-steroid delta 4-dehydrogenase beta 1)

Pathway

- Androgen and estrogen metabolism
- C21-Steroid hormone metabolism
- Metabolic pathways
- Primary bile acid biosynthesis

Disease

- Tobacco Use Disorder