AKR1C1 rabbit monoclonal antibody

Catalog # H00001645-K

Specification

Size 100 ug x up to 3

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Product Description	Rabbit monoclonal antibody raised against a human AKR1C1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human AKR1C1 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
lsotype	lgG
Quality Control Testing	Antibody reactive against human AKR1C1 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	 Customer may provide cell or tissue lysate for antibody screening. 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 — AKR1C1

Entrez GenelD	<u>1645</u>
GeneBank Accession#	AKR1C1
Gene Name	AKR1C1
Gene Alias	2-ALPHA-HSD, 20-ALPHA-HSD, C9, DD1, DDH, DDH1, H-37, HAKRC, MBAB, MGC8954
Gene Description	aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydr oxysteroid dehydrogenase)
Omim ID	<u>600449</u>
Gene Ontology	<u>Hyperlink</u>
Copo Summany	This gave exceeded a member of the olds //sets reducted a superferrily which consists of more the
Gene Summary	n 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and keto nes to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the reaction of proges terone to the inactive form 20-alpha-hydroxy-progesterone. This gene shares high sequence ident ity with three other gene members and is clustered with those three genes at chromosome 10p15 -p14. [provided by RefSeq

Pathway

• Metabolism of xenobiotics by cytochrome P450

Disease

- <u>Alzheimer Disease</u>
- Breast Neoplasms
- Genetic Predisposition to Disease
- Lung Neoplasms



Product Information

• Lymphoma