

DNAXPAb

Hard-to-Find
Antibody

AKR1C1 DNAXPab

Catalog # H00001645-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human AKR1C1 DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MDSKYQCVKLNDGHFMPVLGFGTYAPAEVPSKALEATKLAIEAGFRHIDSAHLYNNEEQVGLAIR SKIADGSVKREDIFYTSKLWCNSHRPELVRPALERSLKNLQLDYVDLYLIHFPVSVKPGEEVIPKDE NGKILFDTVDLCATWEAVEKCKDAGLAKSIGVSNFNRRQLEMILNKPGLYKPVVCNQVECHPYFN QRKLLDFCKSKDMLVAYSALGSHREEPWDPNSPVLLDPVLCALAKKHKRTPALIALRYQLQR GVVVLAKSYNEQRIRQNVQVFEFQLTSEEMKAIDGLNRNVRYLTLDIFAGPPNYPFSDEY
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — AKR1C1

Entrez GeneID	1645
GeneBank Accession#	NM_001353.5
Protein Accession#	NP_001344.2
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)-hydroxysteroid dehydrogenase)
Omim ID	600449
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones 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 progesterone to the inactive form 20-alpha-hydroxy-progesterone. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. [provided by RefSeq]
Other Designations	20 alpha-hydroxysteroid dehydrogenase OTTHUMP00000018992 aldo-keto reductase C aldo-keto reductase family 1, member C1 chlordecone reductase homolog dihydrodiol dehydrogenase 1 dihydrodiol dehydrogenase isoform DD1 hepatic dihydrodiol dehydrogenase trans-

Pathway

- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Alzheimer Disease](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)

- [Lymphoma](#)