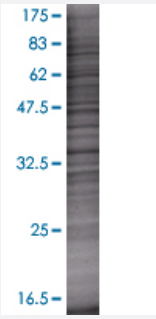
AKR1C1 293T Cell Transient Overexpression Lysate(Denatured)

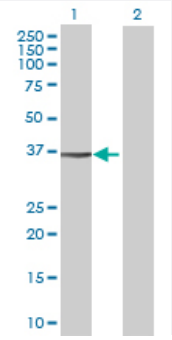
Catalog # H00001645-T01 Size 100 uL

Applications



SDS-PAGE Gel

AKR1C1 transfected lysate.



Western Blot

Lane 1: AKR1C1 transfected lysate (35.64 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-AKR1C1 full-length
Host	Human
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (73); Rat (70)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-AKR1C1 antibody (H00001645-B01) by Western Blots. SDS-PAGE Gel AKR1C1 transfected lysate. Western Blot Lane 1: AKR1C1 transfected lysate (35.64 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

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