

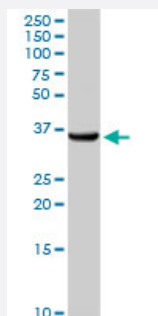
MaxPab®

AKR1C1 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00001645-D01

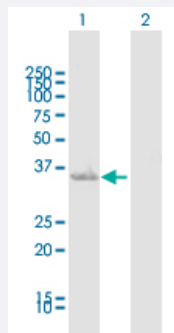
Size 100 uL

Applications



Western Blot (Tissue lysate)

AKR1C1 MaxPab rabbit polyclonal antibody. Western Blot analysis of AKR1C1 expression in human liver.

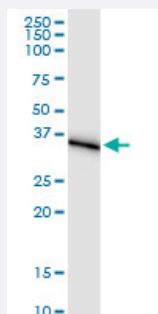


Western Blot (Transfected lysate)

Western Blot analysis of AKR1C1 expression in transfected 293T cell line ([H00001645-T02](#)) by AKR1C1 MaxPab polyclonal antibody.

Lane 1: AKR1C1 transfected lysate(36.80 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of AKR1C1 transfected lysate using anti-AKR1C1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with AKR1C1 purified MaxPab mouse polyclonal antibody (B01P) ([H00001645-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human AKR1C1 protein.

Immunogen	AKR1C1 (NP_001344.2, 1 a.a. ~ 323 a.a) full-length human protein.
Sequence	MDSKYQCVKLNDGHFMPVLGFGTYAPAEVPKSKALEATKLAIEAGFRHIDSAHLYNNEEQVGLAIR SKIADGSVKREDIFYTSKLWCNSHRPELVRPALERSLKNLQLDYVDLYLIHFPVSVKPGEEVIPKDE NGKILFDTVDLCATWEAVEKCKDAGLAKSIGVSNFNRRQLEMILNKPGLKYKPVCNQVECHPYFN QRKLLDFCKSKDMLVAYSALGSHREEPWVDPNSPVLLDPVLCALAKKHKRTPALIALRYQLQR GVVVLAKSYNEQRIRQNVQVFEFQLTSEEMKAIDGLNRNVRYLTLDIFAGPPNYPFSDEY
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (73); Rat (70)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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[Protocol Download](#)

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[Protocol Download](#)

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](#)