

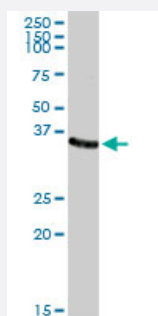
MaxPab®

AKR1C2 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00001646-D01

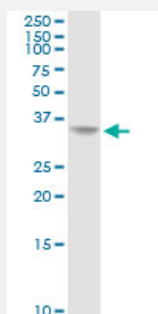
Size 100 uL

Applications



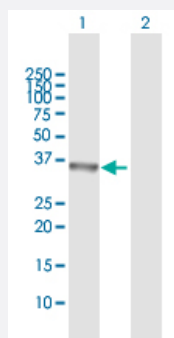
Western Blot (Tissue lysate)

AKR1C2 MaxPab rabbit polyclonal antibody. Western Blot analysis of AKR1C2 expression in human liver.



Western Blot (Cell lysate)

AKR1C2 MaxPab rabbit polyclonal antibody. Western Blot analysis of AKR1C2 expression in HeLa.

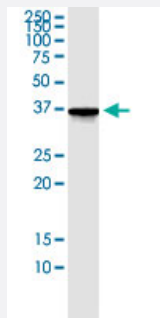


Western Blot (Transfected lysate)

Western Blot analysis of AKR1C2 expression in transfected 293T cell line ([H00001646-T02](#)) by AKR1C2 MaxPab polyclonal antibody.

Lane 1: AKR1C2 transfected lysate(36.70 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of AKR1C2 transfected lysate using anti-AKR1C2 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with AKR1C2 purified MaxPab mouse polyclonal antibody (B03P) ([H00001646-B03P](#)).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human AKR1C2 protein.
Immunogen	AKR1C2 (AAH07024.1, 1 a.a. ~ 323 a.a) full-length human protein.
Sequence	MDSKYQCVKLNDGHFMPVLGFGTYAPAEVPSKALEAVKLAIEAGFHHIDSAHVYNNEEQVGLAIRSKIADGSVKREDIFYTSKLWSNSHRPELVRPALERSLKNLQLDYVDLYLIHFPVSVKPGEEVIPKDENGKILFDTVDLCATWEAMEKCKDAGLAKSIGVSNFNHRLLEMILNKPGLYKPCNQVECHPYFNQRKLLDFCKSKDMLVAYSALGSHREEPWVDPNSPVLLDPVLCALAKKHKRTPALIALRYQLQ RGVVVLAKSYNEQRIRQNVQVFEFQLTSEEMKAIDGLNRNVRYLTLDIFAGPPNYPFSDEY
Host	Rabbit
Reactivity	Human
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)

AKR1C2 MaxPab rabbit polyclonal antibody. Western Blot analysis of AKR1C2 expression in human liver.

[Protocol Download](#)

● Western Blot (Cell lysate)

AKR1C2 MaxPab rabbit polyclonal antibody. Western Blot analysis of AKR1C2 expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of AKR1C2 expression in transfected 293T cell line ([H00001646-T02](#)) by AKR1C2 MaxPab polyclonal antibody.

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

Gene Info — AKR1C2

Entrez GeneID [1646](#)

GeneBank Accession# [NM_001354.4](#)

Protein Accession# [AAH07024.1](#)

Gene Name AKR1C2

Gene Alias AKR1C-pseudo, BABP, DD, DD2, DDH2, HAKRD, HBAB, MCDR2

Gene Description aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein ; 3-alpha hydroxysteroid dehydrogenase, type III)

Omim ID [600450](#)

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 using NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme binds bile acid with high affinity, and shows minimal 3-alpha-hydroxysteroid dehydrogenase activity. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10 p15-p14. [provided by RefSeq]

Other Designations OTTHUMP00000018995|OTTHUMP00000044759|aldo-keto reductase family 1, member C2|chlordecone reductase homolog|pseudo-chlordecone reductase|trans-1,2-dihydrobenzene-1,2-diol dehydrogenase|type II dihydrodiol dehydrogenase

Pathway

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

Disease

- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)