

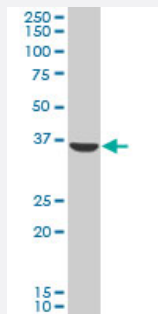
MaxPab®

AKR1C2 purified MaxPab mouse polyclonal antibody (B02P)

Catalog # H00001646-B02P

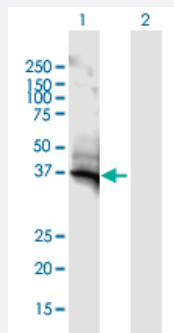
Size 50 ug

Applications



Western Blot (Tissue lysate)

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



Western Blot (Transfected lysate)

Western Blot analysis of AKR1C2 expression in transfected 293T cell line ([H00001646-T01](#)) by AKR1C2 MaxPab polyclonal antibody.

Lane 1: AKR1C2 transfected lysate(35.53 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse 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

MDSKYQC VKLNDGHFMPVLGFGTYAPAEVPKSKALEAVKLAIEAGFHHIDSAHVYNNEEQVGLAIRSK
IADGSGVKREDIFYTSKLWSNSHRPELVRPALERSLKNLQLDYVDLYLIHFPVSVKPGEEVIPKDE
NGKILFDTVDLCATWEAMEKCKDAGLAKSIGVSNFNHRLLEMILNKPGLYKPV CNQVECHPYF
NQRKLLDFCKSKDMLVAYSALGSHREEPWVDPNSPVLLDPVLCALAKKHKRTPALIALRYQLQ
RGVVVLAKSYNEQRI RQNVQVF E FQLTSEEMKAIDGLNRNVRYLTLDIFAGPPNYPFSDEY

Host

Mouse

Reactivity	Human
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 (Tissue lysate)

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

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of AKR1C2 expression in transfected 293T cell line ([H00001646-T01](#)) by AKR1C2 MaxPab polyclonal antibody.

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — AKR1C2

Entrez GeneID	1646
GeneBank Accession#	BC007024.1
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 10p15-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

Publication Reference

- [Proteasome inhibitors MG-132 and bortezomib induce AKR1C1; AKR1C3; AKR1B1; and AKR1B10 in human colon cancer cell lines SW-480 and HT-29.](#)

Ebert B, Kisiela M, Wsol V, Maser E.

Chemico-biological Interactions 2011 May; 191(1-3):239.

Application: WB, Human, Caco-2, HT-29, HCT116, SW-480, A-549, PANC-1, A431, HepG2 cells

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](#)