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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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AKR1C2 purified MaxPab mouse polyclonal antibody (B02P) MaxPab®

Catalog # : H00001646-B02P

規格 : [50 ug]

List All

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:
 MDSKYQCVKLNDFHMPVLGFGTYAPAEVPSKALEAVKLAIEAGFHHID
 SAHVYNNEEQVGLAIRSKIADGSKREDIFYTSLKWSNSHRPELVRPALER
 SLKNLQLDYVDLYLIHFPVSVKPGEEVIPKDENGKILFDTVDLCATWEAME
 KCKDAGLAKSIGVSNFNHRLLEMILNKPLKYPVCNQVECHPYFNQRKL
 LDFCKSKDMLVAYSALGSHREEPWVDPNSPVLLEDVLCALAKKHKRTP
 ALIALRYQLQRGVVVLAKSYNEQRIRQNVQVFEFQLTSEEMKAIDGLNRN
 VRYLTLDIFAGPPNYPFSDEY

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.

MSDS:  [Download](#)

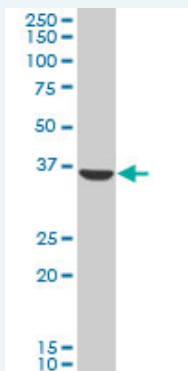
Datasheet:  [Download](#)

Publication Reference

1. [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. *Chem Biol Interact.* 2011 Jan 6. [Epub ahead of print]

Applications

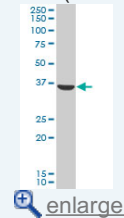
Western Blot (Tissue lysate)



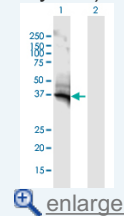
AKR1C2 MaxPab polyclonal antibody. Western Blot analysis of AKR1C2 expression in human liver.

Application Image

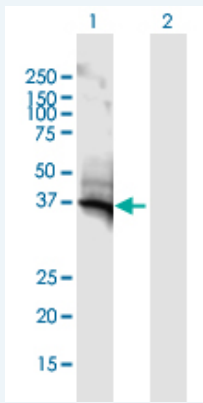
Western Blot (Tissue lysate)



Western Blot (Transfected lysate)



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.

Gene Information

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

Gene Pathway

[Metabolism of xenobiotics by cytochrome P450](#)

Related Disease

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

