



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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# AKR1C2 purified MaxPab mouse polyclonal antibody (B03P) MaxPab®

Catalog # : H00001646-B03P

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  
 SAHVYNNEEQVGLAIRSKIADGSVKREDIFYTSLKWSNSHRPELVRPALER  
 SLKNLQLDYVDLYLIHFVSVKPGEEVIPKDENGKILFDTVDLCATWEAME  
 KCKDAGLAKSIGVSNFNHRLLEMILNKPLKYKPVCNQVECHPYFNQRKL  
 LDFCKSKDMLVAYSALGSHREEPWDPNSPVLLEDVLCALAKKHKRTP  
 ALIALRYQLQRGVVVLAKSYNEQRIRQNVQVFEFQLTSEEMKAIDGLNRN  
 VRYLTLDIFAGPPNYPFSDEY

**Host:** Mouse

**Reactivity:** Human

**Quality Control Testing:** Antibody reactive against mammalian transfected lysate.

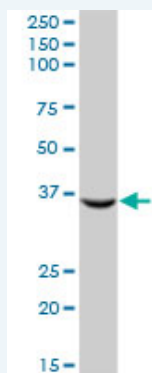
**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Datasheet:**  [Download](#)

## Applications

### Western Blot (Tissue lysate)



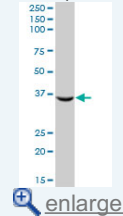
AKR1C2 MaxPab polyclonal antibody. Western Blot analysis of AKR1C2 expression in human liver.

 [Protocol Download](#)

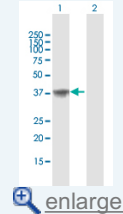
### Western Blot (Transfected lysate)

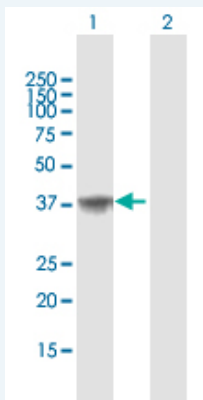
## Application Image

### Western Blot (Tissue lysate)



### Western Blot (Transfected lysate)





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

Lane 1: AKR1C2 transduced lysate(36.7 KDa).  
Lane 2: Non-transduced lysate.

 [Protocol Download](#)

## 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](#) [Ovarian Failure](#), [Premature Polycystic Ovary Syndrome](#) [Prostatic Neoplasms](#) [Puberty, Delayed Puberty](#), [Precocious Thrombophilia](#) [Tobacco Use Disorder](#)

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