



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## AKR1C2 polyclonal antibody (A01)

Catalog # : H00001646-A01

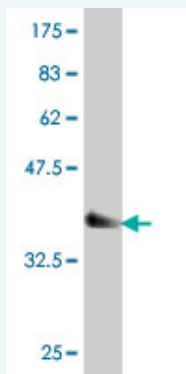
規格 : [ 50 uL ]

List All

### Specification

<b>Product Description:</b>	Mouse polyclonal antibody raised against a partial recombinant AKR1C2.
<b>Immunogen:</b>	AKR1C2 (AAH63574, 224 a.a. ~ 323 a.a) partial recombinant protein with GST tag.
<b>Sequence:</b>	EEPWVDPNSPVLLEDVPLCALAKKHKRTPALIALRYQLRQGVVLAQSYN EQRIRQNVQVFEFQLTSEEMKAIDGLNRNVRYLTLDFAGPPNYPVSDEY
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.11 KDa) .

**Storage Buffer:** 50 % glycerol

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

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

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

### Publication Reference

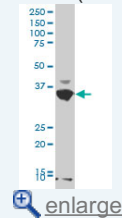
1. Aldo-keto reductase 1C2 is essential for 1-nitropyrene's but not for benzo[a]pyrene's induction of p53 phosphorylation and apoptosis.  
Su JG, Liao PJ, Huang MC, Chu WC, Lin SC, Chang YJ. Toxicology. 2008 Feb 28;244(2-3):257-70. Epub 2007 Dec 7.
2. Molecular Functional analysis of the Tumor Suppressor Gene PDCCD4.  
Marikkannu R. FB 12 Chemie und Pharmazie

### Applications

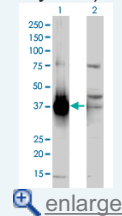
Western Blot (Cell lysate)

### Application Image

Western Blot (Cell lysate)

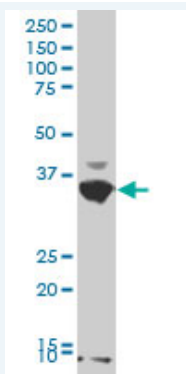


Western Blot (Transfected lysate)



Western Blot (Recombinant protein)

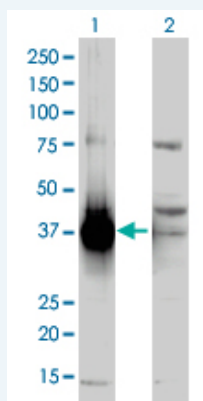
ELISA



AKR1C2 polyclonal antibody (A01), Lot # CIL0060112QCS1 Western Blot analysis of AKR1C2 expression in HeLa ( Cat # L013V1 ).

 [Protocol Download](#)

#### Western Blot (Transfected lysate)



Western Blot analysis of AKR1C2 expression in transfected 293T cell line by AKR1C2 polyclonal antibody (A01).

Lane1:AKR1C2 transfected lysate(37 kDa).  
Lane2:Non-transfected lysate.

 [Protocol Download](#)

#### Western Blot (Recombinant protein)

 [Protocol Download](#)

#### ELISA

#### Gene Information

Entrez GeneID: [1646](#)

GeneBank [BC063574](#)  
Accession#:

Protein [AAH63574](#)  
Accession#:

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

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[Metabolism of xenobiotics by cytochrome P450](#)

#### Related Disease

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[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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