



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## AKR1C1 purified MaxPab mouse polyclonal antibody (B01P) MaxPab®

Catalog # : H00001645-B01P

規格 : [ 50 ug ]

List All

### Specification

**Product Description:** Mouse polyclonal antibody raised against a full-length human AKR1C1 protein.

**Immunogen:** AKR1C1 (NP\_001344.2, 1 a.a. ~ 323 a.a) full-length human protein.

**Sequence:**  
 MDSKYQCVKLNDFHMPVLGFGTYAPAEVPSKALEATKLAIEAGFRHID  
 SAHLYNNEEQVGLAIRSKIADGSKREDIFYTSKLWCNSHRPELVRPALER  
 SLKNLQLDYVDLYLIHFVSVKPGEEVIPKDENGKILFDTVDLCATWEAVE  
 KCKDAGLAKSIGVSNFNRRQLEMILNKPLKYKPCVNCQVECHPYFNQRKL  
 LDFCKSKDMLVAYSALGSHREEPWDPNSPVLLEDVLCALAKKHKRTP  
 ALIALRYQLQRGVVVLAKSYNEQRIRQNVQVFEFQLTSEEMKAIDGLNRN  
 VRYLTLDFAGPPNYPFSDEY

**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

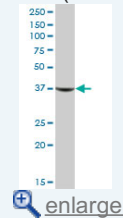
1. [The Sensitivity of Cancer Cells to Pheophorbide a-Based Photodynamic Therapy Is Enhanced by NRF2 Silencing.](#)  
Choi BH, Ryoo IG, Kang HC, Kwak MKPLoS One. 2014 Sep 16;9(9):e107158. doi: 10.1371/journal.pone.0107158. eCollection 2014.
2. [An endogenous inhibitor of angiogenesis inversely correlates with side population phenotype and function in human lung cancer cells.](#)  
Han H, Bourboulia D, Jensen-Taubman S, Isaac B, Wei B, Stetler-Stevenson WGOncogene. 2013 Mar 11. doi: 10.1038/onc.2013.61.
3. [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

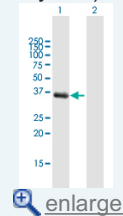
**Western Blot (Tissue lysate)**

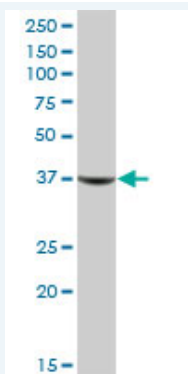
### Application Image

Western Blot (Tissue lysate)



Western Blot (Transfected lysate)

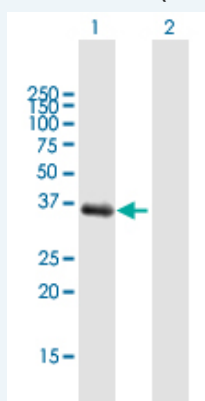




AKR1C1 MaxPab polyclonal antibody. Western Blot analysis of AKR1C1 expression in human liver.

 [Protocol Download](#)

#### Western Blot (Transfected lysate)



Western Blot analysis of AKR1C1 expression in transfected 293T cell line ([H00001645-T01](#)) by AKR1C1 MaxPab polyclonal antibody.

Lane 1: AKR1C1 transfected lysate(35.53 KDa).

Lane 2: Non-transfected lysate.

 [Protocol Download](#)

#### Gene Information

Entrez GeneID: [1645](#)

GeneBank [NM\\_001353.5](#)

Accession#:

Protein [NP\\_001344.2](#)

Accession#:

Gene Name: AKR1C1

Gene Alias: 2-ALPHA-HSD,20-ALPHA-HSD,C9,DD1,DDH,DDH1,H-37,HAKRC,MBAB,MGC8954

Gene Description: aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)

Omim ID: [600449](#)

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 by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the reaction of progesterone to the inactive form 20-alpha-hydroxy-progesterone. 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:** 20 alpha-hydroxysteroid dehydrogenase,OTTHUMP00000018992,aldo-keto reductase C,aldo-keto reductase family 1, member C1,chlordecone reductase homolog,dihydrodiol dehydrogenase 1,dihydrodiol dehydrogenase isoform DD1,hepatic dihydrodiol dehydrogenase,trans-

#### Gene Pathway

[Metabolism of xenobiotics by cytochrome P450](#)

#### Related Disease

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