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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

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AKR1C2 monoclonal antibody (M03), clone 3C11

Catalog # : H00001646-M03

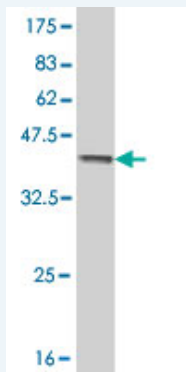
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant AKR1C2.
Immunogen:	AKR1C2 (AAH63574, 224 a.a. ~ 323 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	EEPWVDPNSPVLLEDVPLCALAKKHKRTPALIALRYQLQRGVVLAKSYN EQRIRQNVQVFEFQLTSEEMKAIDGLNRNVRYLTLDFAGPPNYPVSDEY
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.74 KDa) .

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

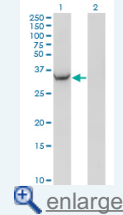
- [Aldo-keto reductases AKR1C1, AKR1C2 and AKR1C3 may enhance progesterone metabolism in ovarian endometriosis.](#)
Hevir N, Vouk K, Sinkovec J, Ribic-Pucelj M, Lanisnik Rizner T. Chem Biol Interact. 2011 Jan 11. [Epub ahead of print]
- [Aldo-keto reductase 1C2 fails to metabolize doxorubicin and daunorubicin in vitro.](#)
Takahashi RH, Bains OS, Pfeifer TA, Grigliatti TA, Reid RE, Riggs KW. Drug Metab Dispos. 2008 Jun;36(6):991-4. Epub 2008 Mar 5.

Applications

Western Blot (Transfected lysate)

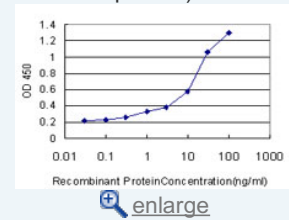
Application Image

Western Blot (Transfected lysate)

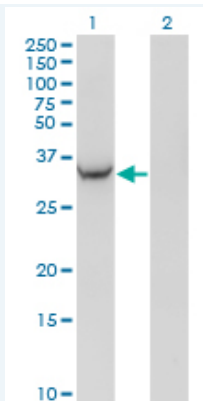


Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)




ELISA



Western Blot analysis of AKR1C2 expression in transfected 293T cell line by AKR1C2 monoclonal antibody (M03), clone 3C11.

Lane 1: AKR1C2 transfected lysate(36.7 kDa).

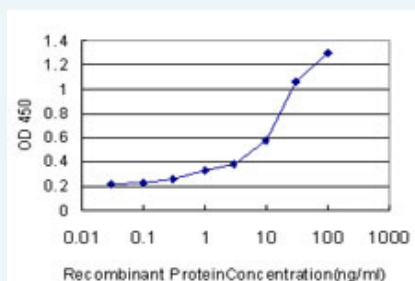
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged AKR1C2 is approximately 0.3ng/ml as a capture antibody.

 [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

[Metabolism of xenobiotics by cytochrome P450](#)

Related Disease

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