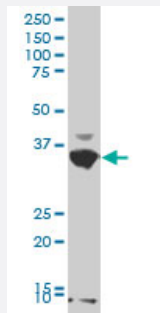


AKR1C2 polyclonal antibody (A01)

Catalog # H00001646-A01

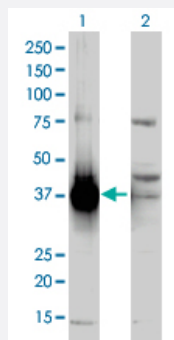
Size 50 uL

Applications



Western Blot (Cell lysate)

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

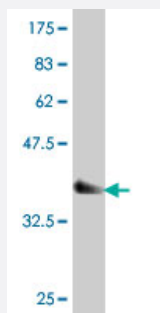


Western Blot (Transfected lysate)

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.



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description

Mouse polyclonal antibody raised against a partial recombinant AKR1C2.

Immunogen

AKR1C2 (AAH63574, 224 a.a. ~ 323 a.a) partial recombinant protein with GST tag.

Sequence	EEPWVDPNSPVLLEDPVLCALAKKHKRTPALIALRYQLQRGVVVLAKSYNEQRIRQNVQVFEFQL TSEEMKAIDGLNRNVRYLTLDIFAGPPNYPVSDEY
Host	Mouse
Reactivity	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.

Applications

- Western Blot (Cell lysate)

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 Info — AKR1C2

Entrez GeneID	1646
GeneBank Accession#	BC063574
Protein Accession#	AAH63574
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

Publication Reference

- [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 2007 Dec; 244(2-3):257.

Application: WB, Human, HepG2 cells

- [Molecular Functional analysis of the Tumor Suppressor Gene PDCD4.](#)

Marikkannu Rajeshwari.

FB 12: Chemie und Pharmazie 2006 Dec; [Epub].

Application: WB, Human, HeLa cells

Pathway

- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Breast Neoplasms](#)

- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)