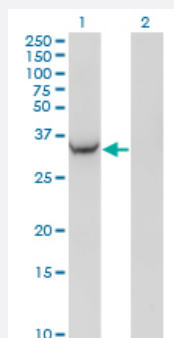


AKR1C2 monoclonal antibody (M03A), clone 3C11

Catalog # H00001646-M03A

Size 200 uL

Applications

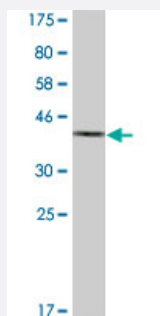


Western Blot (Transfected lysate)

Western Blot analysis of AKR1C2 expression in transfected 293T cell line by AKR1C2 monoclonal antibody (M03A), clone 3C11.

Lane 1: AKR1C2 transfected lysate(36.7 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (36.74 KDa) .

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

EEPWVDPNSPVLLEDPLCALAKKHKRTPALIALRYQLQRGVVVLAKSYNEQRIRQNVQVFEFQL
TSEEMKAIDGLNRNVRYLTLDIFAGPPNYPVSDEY

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 ascites fluid

Storage Instruction

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

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of AKR1C2 expression in transfected 293T cell line by AKR1C2 monoclonal antibody (M03A), clone 3C11.

Lane 1: AKR1C2 transfected lysate(36.7 KDa).

Lane 2: 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

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](#)