

Datasheet: VMA00346

Description:	MOUSE ANTI AKR1C2
Specificity:	AKR1C2
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG2a
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Recombinant human AKR1C2
External Database Links	UniProt: P52895 Related reagents Entrez Gene: 1646 AKR1C2 Related reagents
Synonyms	DDH2
Specificity	Mouse anti Human AKR1C2 antibody recognizes the aldo-keto reductase family 1 member C2, also known as 3-alpha-HSD3, DD-2, DD/BABP, aldo-keto reductase family 1 member C2,

chlordecone reductase homolog HAKRD, dihydrodiol dehydrogenase 2, bile acid binding protein, 3-alpha hydroxysteroid dehydrogenase, type III, pseudo-chlordecone reductase, testicular 17,20-desmolase deficiency, trans-1,2-dihydrobenzene-1,2-diol dehydrogenase and type II dihydrodiol dehydrogenase.

Encoded by the AKR1C2 gene, aldo-keto reductase family 1 member C2 is 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. AKR1C2 shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. Three transcript variants encoding two different isoforms have been found for AKR1C2 (provided by RefSeq, Dec 2011).

Mouse anti Human AKR1C2 antibody detects a band of 36 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti AKR1C2 detects a band of approximately 36 kDa in HeLa cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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