

Datasheet for ABIN7126291 **anti-AKR1C1 antibody**

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	AKR1C1 (DDH)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AKR1C1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant human full-length AKR1C1 protein
Isotype:	IgG1
Specificity:	DDH / AKR1C1 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 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.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	AKR1C1 (DDH)
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Target Details

Alternative Name:	AKR1C1 (DDH Products)
Background:	2-dihydrobenzene-1, 2-diol dehydrogenase, 20 alpha (3 alpha) hydroxysteroid dehydrogenase, 20ALPHAHSD, 2ALPHAHSD, AK1C1, C9, Chlordecone reductase homolog HAKRC, DD1/DD2, DDH1, Dihydrodiol dehydrogenase 1/2, H37, HBAB, Hepatic dihydrodiol dehydrogenase, High affinity hepatic bile acid-binding protein, Indanol dehydrogenase, MBAB, Trans-1,2 dihydrobenzene 1,2 diol dehydrogenase, Type II 3 alpha hydroxysteroid dehydrogenase,Aldo-keto Reductase Family 1 Member C1 / DD1 Cellular localisation: Cytoplasm.
Molecular Weight:	37kDa
Gene ID:	1645, 460260
UniProt:	Q04828
Pathways:	Steroid Hormone Biosynthesis , C21-Steroid Hormone Metabolic Process

Application Details

Application Notes:	Known_Application: Western Blot (1-2 µg/mL), ,Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. Positive_Control: HepG2 or A549 cells. Human liver or stomach tissue.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months