

Datasheet for ABIN5692785
anti-AKR1C2 antibody (AA 1-123)



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1 Image

Overview

Quantity:	100 µg
Target:	AKR1C2
Binding Specificity:	AA 1-123
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1C2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	E. coli-derived human AKR1C1/C2 recombinant protein (Position: M1-K123).
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Aldo-keto reductase family 1 member C1/C2(AKR1C1/C2) detection. Tested with WB in Human,Rat.
Purification:	Immunogen affinity purified.

Target Details

Target:	AKR1C2
Alternative Name:	AKR1C2 (AKR1C2 Products)
Background:	Synonyms: Aldo-keto reductase family 1 member C2,1-.-.,3-alpha-HSD3,Chlordecone

Target Details

reductase homolog HAKRD,Dihydrodiol dehydrogenase 2,DD-2,DD2,Dihydrodiol dehydrogenase/bile acid-binding protein,DD/BABP,Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase,1.3.1.20 ,Type III 3-alpha-hydroxysteroid dehydrogenase,1.1.1.357 ,AKR1C2,DDH2,

Tissue Specificity: Expressed in fetal testes. Expressed in fetal and adult adrenal glands. .

Background: 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. And this gene 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 this gene.

Molecular Weight: 36735 MW

UniProt: [P52895](#)

Pathways: [Steroid Hormone Biosynthesis](#), [C21-Steroid Hormone Metabolic Process](#)

Application Details

Application Notes: Recommended Detection Systems: Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot.

Application Details: Western blot, 0.1-0.5 µg/mL, Human, Rat

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.

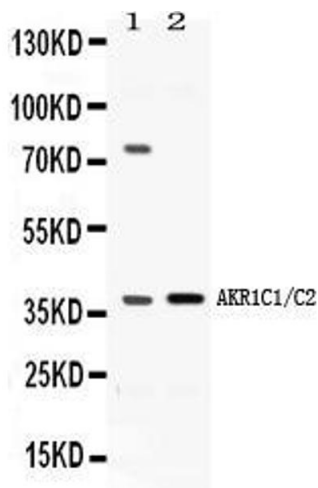
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot analysis of AKR1C1/C2 expression in rat liver extract (Lane 1) and HELA whole cell lysates (Lane 2). AKR1C1/C2 at 37KD was detected using rabbit anti-AKR1C1/C2 Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).