

Datasheet for ABIN7255325

anti-AKR1C2 antibody

3 Images

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Overview

Quantity:	200 µL
Target:	AKR1C2
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1C2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein of human AKR1C2 (NP_995317.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	AKR1C2
Alternative Name:	AKR1C2 (AKR1C2 Products)
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

Target Details

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. Three transcript variants encoding two different isoforms have been found for this gene.

Molecular Weight: Observed_MW: 37 kDa
Calculated_MW: 15 kDa/36 kDa

Gene ID: 1646

UniProt: [P52895](#)

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

Application Details

Application Notes: WB 1:500-1:2000 IF 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

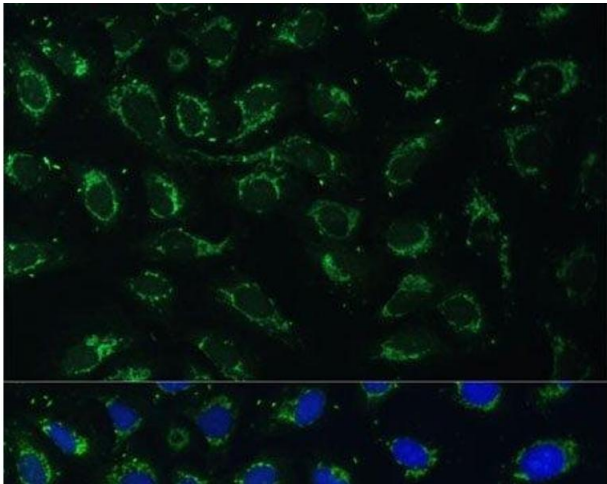
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

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

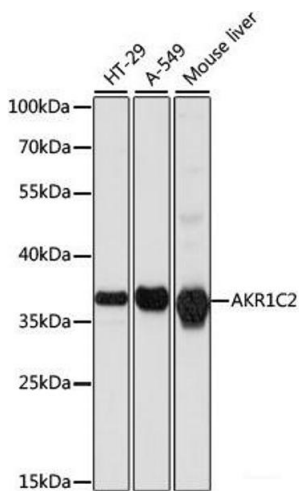
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



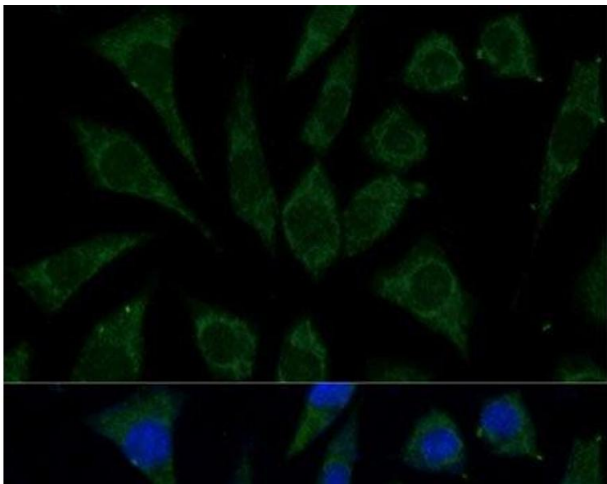
Immunofluorescence

Image 1. Immunofluorescence analysis of U-2 OS cells using AKR1C2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using AKR1C2 Polyclonal Antibody at dilution of 1:1000.



Immunofluorescence

Image 3. Immunofluorescence analysis of L929 cells using AKR1C2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.