

Datasheet for ABIN2855666

anti-AKR1C4 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	AKR1C4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1C4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human HSD3a. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit polyclonal antibody to HSD3a (aldo-keto reductase family 1, member C4 (chlordecone reductase, 3-alpha hydroxysteroid dehydrogenase, type I, dihydrodiol dehydrogenase 4)) HSD3a antibody [N1C2]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	AKR1C4
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Target Details

Alternative Name:	aldo-keto reductase family 1 member C4 (AKR1C4 Products)
Background:	<p>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 by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the bioreduction of chlordecone, a toxic organochlorine pesticide, to chlordecone alcohol in liver.</p> <p>This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14.</p> <p>Cellular Localization: Cytoplasm</p>
Molecular Weight:	37 kDa
Gene ID:	1109
UniProt:	P17516
Pathways:	Steroid Hormone Biosynthesis

Application Details

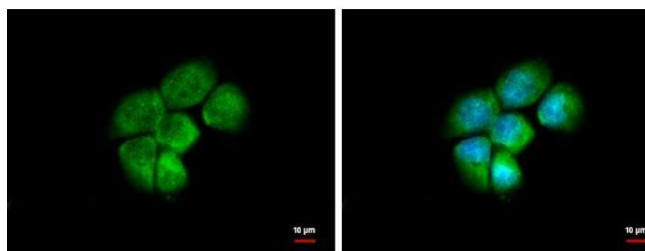
Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: HeLa
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.83 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

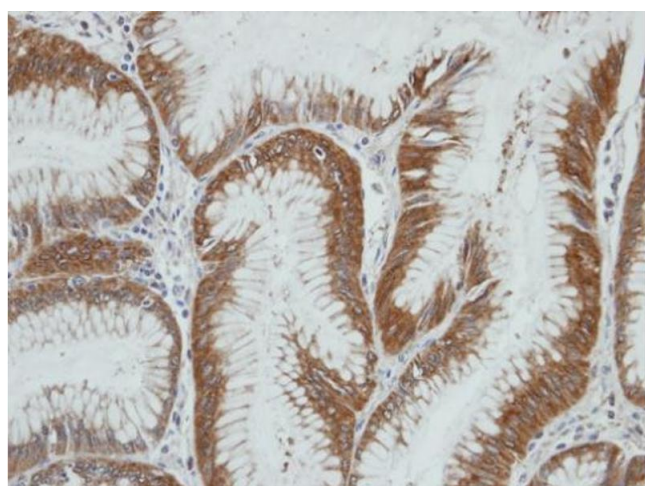
(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



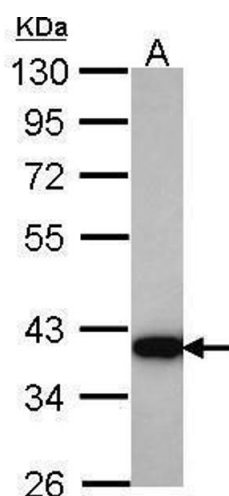
Immunofluorescence

Image 1. ICC/IF Image HSD3a antibody [N1C2] detects HSD3a protein at cytoplasm and nucleus by immunofluorescent analysis. Sample: A431 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: HSD3a protein stained by HSD3a antibody [N1C2], diluted at 1:500. Blue: Hoechst 33342 staining.



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human gastric cancer, using AKR1C4, antibody at 1:100 dilution.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: Hela 10% SDS PAGE HSD3a antibody antibody diluted at 1:1000