

Datasheet for ABIN6259862

**anti-AKR1C3 antibody**

5 Images

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## Overview

Quantity:	100 µL
Target:	AKR1C3
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1C3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human AKR1C3
Isotype:	IgG
Specificity:	AKR1C3 Antibody detects endogenous levels of total AKR1C3
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

## Target Details

Target:	AKR1C3
Alternative Name:	AKR1C3 ( <a href="#">AKR1C3 Products</a> )

## Target Details

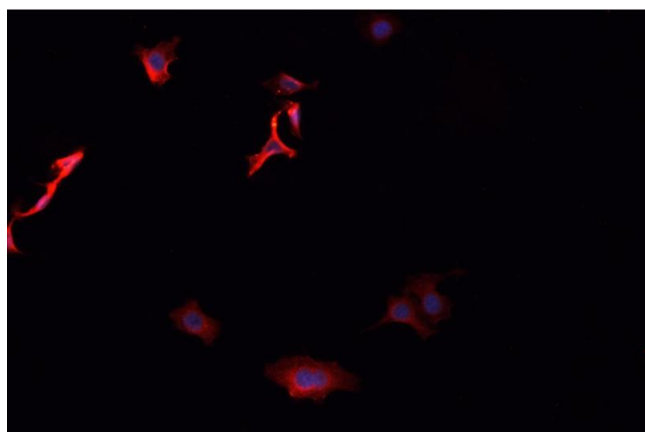
Background:	<p>Description: Catalyzes the conversion of aldehydes and ketones to alcohols. Catalyzes the reduction of prostaglandin (PG) D2, PGH2 and phenanthrenequinone (PQ) and the oxidation of 9-alpha,11-beta-PGF2 to PGD2. Functions as a bi-directional 3-alpha-, 17-beta- and 20-alpha HSD. Can interconvert active androgens, estrogens and progestins with their cognate inactive metabolites. Preferentially transforms androstenedione (4-dione) to testosterone.</p> <p>Gene: AKR1C3</p>
Molecular Weight:	37kDa
Gene ID:	8644
UniProt:	<a href="#">P42330</a>
Pathways:	<a href="#">Retinoic Acid Receptor Signaling Pathway</a> , <a href="#">Steroid Hormone Biosynthesis</a> , <a href="#">Regulation of Hormone Metabolic Process</a> , <a href="#">Regulation of Hormone Biosynthetic Process</a> , <a href="#">C21-Steroid Hormone Metabolic Process</a> , <a href="#">Protein targeting to Nucleus</a>

## Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Restrictions:	For Research Use only

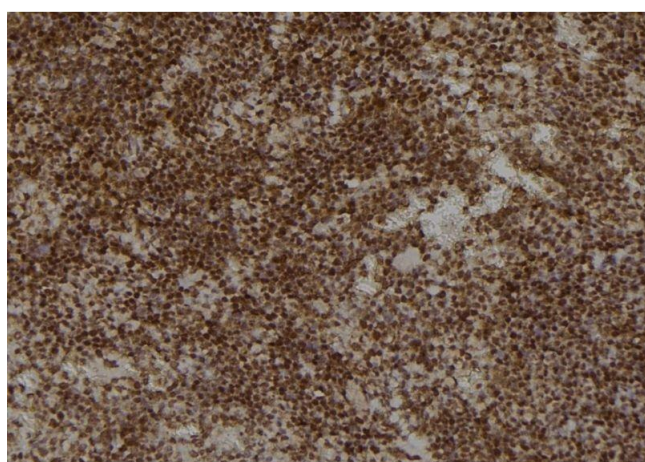
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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.Stable for 12 months from date of receipt
Expiry Date:	12 months



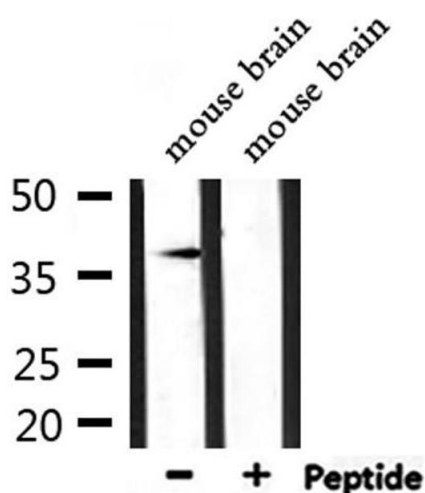
### Immunofluorescence (fixed cells)

**Image 1.** ABIN6276876 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody (Cat.# S0006), diluted at 1/600, was used as secondary antibody



### Immunohistochemistry

**Image 2.** ABIN6276876 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



### Western Blotting

**Image 3.** Western blot analysis of extracts from mouse brain, using AKR1C3 Antibody.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6259862.