Datasheet for ABIN6258584

anti-AKR1B1 antibody (C-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	AKR1B1
Binding Specificity:	C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1B1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human AKR1B1, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	AKR1B1 Antibody detects endogenous levels of total AKR1B1.
Predicted Reactivity:	Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	AKR1B1

Target Details

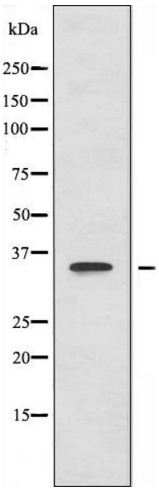
Alternative Name:	AKR1B1 (AKR1B1 Products)
Background:	Description: Catalyzes the NADPH-dependent reduction of a wide variety of carbonyl-containing compounds to their corresponding alcohols with a broad range of catalytic efficiencies. Gene: AKR1B1
Molecular Weight:	36 kDa
Gene ID:	231
UniProt:	P15121
Pathways:	Metabolism of Steroid Hormones and Vitamin D, C21-Steroid Hormone Metabolic Process, Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

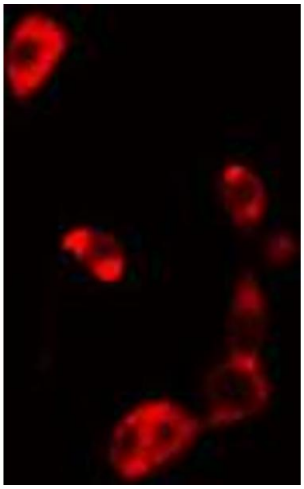
Handling

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



Western Blotting

Image 1. Western blot analysis of extracts from HUVEC cells, using AKR1B1 antibody.



Immunofluorescence (fixed cells)

Image 2. ABIN6274830 staining HuvEc 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.