antibodies .- online.com







anti-AKR1A1 antibody (C-Term)





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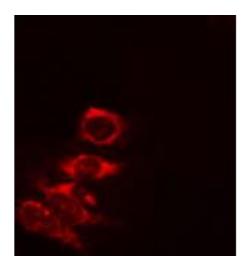
Quantity:	100 μL
Target:	AKR1A1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	
Product Details Immunogen:	A synthesized peptide derived from human AKR1A1, corresponding to a region within C-terminal amino acids.
Immunogen:	terminal amino acids.
Immunogen: Isotype:	terminal amino acids.

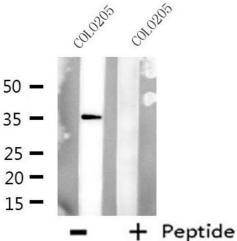
Target Details

Target: AKR1A1

Target Details

Alternative Name:	AKP1A1 (AKP1A1 Products)	
	AKR1A1 (AKR1A1 Products)	
Background:	Description: Catalyzes the NADPH-dependent reduction of a variety of aromatic and aliphatic	
	aldehydes to their corresponding alcohols. Catalyzes the reduction of mevaldate to mevalonic	
	acid and of glyceraldehyde to glycerol. Has broad substrate specificity. In vitro substrates	
	include succinic semialdehyde, 4-nitrobenzaldehyde, 1,2-naphthoquinone, methylglyoxal, and D	
	glucuronic acid. Plays a role in the activation of procarcinogens, such as polycyclic aromatic hydrocarbon trans-dihydrodiols, and in the metabolism of various xenobiotics and drugs,	
	including the anthracyclines doxorubicin (DOX) and daunorubicin (DAUN).	
	Gene: AKR1A1	
Malagular Weight		
Molecular Weight:	36 kDa	
Gene ID:	10327	
UniProt:	P14550	
Pathways:	Monocarboxylic Acid Catabolic Process	
Application Details		
Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, IHC 1:50-1:200, 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	





Immunofluorescence (fixed cells)

Image 1. ABIN6274823 staining COLO205 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.

Western Blotting

Image 2. Western blot analysis of extracts from COLO205 cells using AKR1A1 antibody.