antibodies.com

Datasheet for ABIN872733 anti-AKR1A1 antibody (AA 53-130)

4 Images



Overview

Quantity:	100 μL
Target:	AKR1A1
Binding Specificity:	AA 53-130
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AKR1A1
Isotype:	lgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.
Target Details	
Target:	AKR1A1

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN872733 | 03/07/2024 | Copyright antibodies-online. All rights reserved.

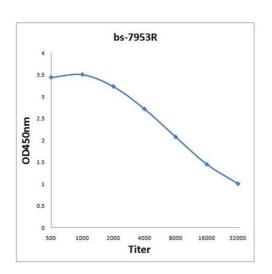
Alternative Name:	AKR1A1 (AKR1A1 Products)
Background:	Synonyms: Aldo-keto reductase family 1 member A1, Alcohol dehydrogenase [NADP(+)],
	Aldehyde reductase, Glucuronate reductase, Glucuronolactone reductase, AKR1A1, ALDR, ALR
	AK1A1_HUMAN
	Background: Catalyzes the NADPH-dependent reduction of a variety 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 ID:	10327
UniProt:	P14550
Pathways:	Monocarboxylic Acid Catabolic Process
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be
	handled by trained staff only.

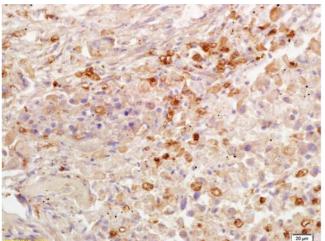
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN872733 | 03/07/2024 | Copyright antibodies-online. All rights reserved.

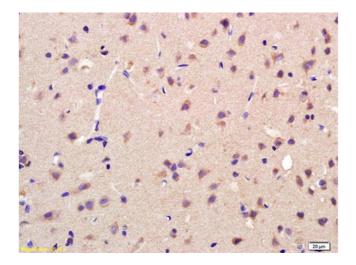
Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images







ELISA

Image 1. Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450

Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Rabbit Anti AKR1A1 Polyclonal Antibody, Unconjugated (ABIN872733) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti AKR1A1 Polyclonal Antibody, Unconjugated (ABIN872733) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/4 | Product datasheet for ABIN872733 | 03/07/2024 | Copyright antibodies-online. All rights reserved. Please check the product details page for more images. Overall 4 images are available for ABIN872733.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/4 | Product datasheet for ABIN872733 | 03/07/2024 | Copyright antibodies-online. All rights reserved.