Datasheet for ABIN1386563

anti-AKR7A2 antibody (AA 81-150)

Go to Product page

Overview

Quantity:	100 µL
Target:	AKR7A2
Binding Specificity:	AA 81-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR7A2 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AKR7A2
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	AKR7A2
Alternative Name:	SSA reductase/AKR7A2 (AKR7A2 Products)

 Copyright antibodies-online. All rights reserved.

Target Details

Background:	Synonyms: AFAR, AFAR1, AFB1 aldehyde reductase 1, AFB1 AR1, AFB1-AR 1, AFB1AR1, Aflatoxin aldehyde reductase, Aflatoxin B1 aldehyde reductase member 2, Aflatoxin beta1 aldehyde reductase, Aiar, AKR7, Akr7a2, Aldo keto reductase family 7, Aldo keto reductase family 7 member A2 aflatoxin aldehyde reductase, Aldo keto reductase family 7 member A2, Aldoketoreductase 7, ARK72_HUMAN, SSA reductase, SSA reductase, Succinic semialdehyde reductase. Background: The aldo-keto reductase 7 (AKR7) family includes AKR7A2, AKR7A3 and AKR7A4 in human, AKR7A5 in mouse and AKR7A2 in rat, all of which function in the metabolism of aflatoxin B(1) and other dicarbonyl-containing compounds. More specifically, AKR7A proteins are involved in the metabolism of compounds with ketone groups on adjacent carbon atoms in a broad range of tissues, notably the liver. The human AKR7A2 gene maps to human chromosome 1p35-36, a region frequently deleted in sporadic colorectal cancer. The functional significance of this correlation lies in the constitutive expression of AKR7A2 in human liver to eliminate aflatoxin (an environmental carcinogen), thus acting as an endogenous chemo-preventative agent.

Application Details

Application Notes:	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
	ICC 1:100-500

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.

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

 Copyright antibodies-online. All rights reserved.