

Rabbit anti-Human, Mouse AKR7A2 Polyclonal Antibody | anti-AKR7A2 antibody

AKR7A2 Antibody

CATALOG # AAA230977	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
-------------------------------	-----------------------	-----------------------------------	--

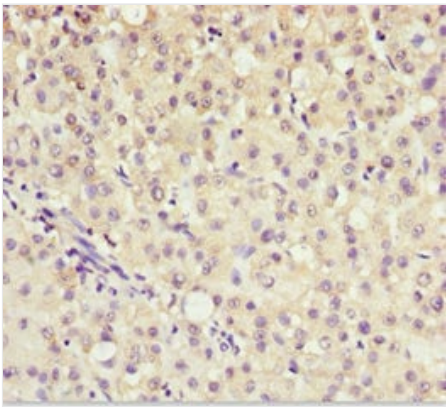
PRODUCT SYNONYMS

AKR7A2; Polyclonal Antibody; AKR7A2 Antibody; Aflatoxin B1 aldehyde reductase member 2; AFB1 aldehyde reductase 1; AFB1-AR 1; Aldoketoreductase 7; Succinic semialdehyde reductase; SSA reductase; AFAR; AFAR1; AKR7; anti-AKR7A2 antibody

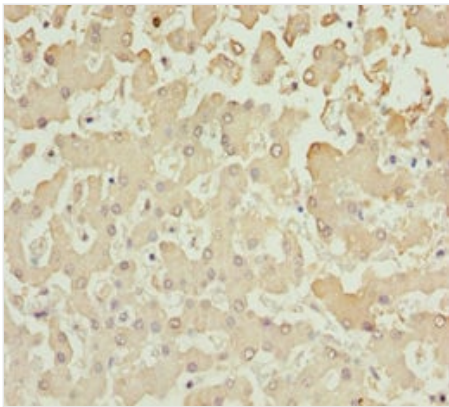
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	359
Applicable Applications for anti-AKR7A2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Aflatoxin B1 aldehyde reductase member 2 protein (C-260AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-27765 / sc-27766 / sc-32944
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

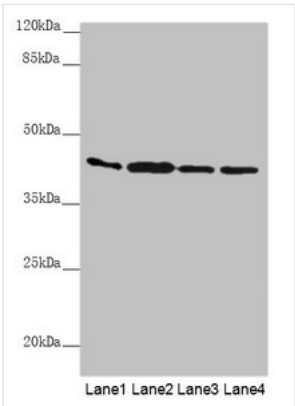
IMAGES



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded human liver cancer using AAA230977 at dilution 1:100



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human liver tissue using AAA230977 at dilution 1:100



WB (Western Blot)
Western blotAll lanes: AKR7A2 antibody at 0.88 ug/mlLane 1: Mouse small intestine tissueLane 2: Mouse liver tissueLane 3: Mouse gonadal tissueLane 4: A431 whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 40 kDaObserved band size: 40 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-AKR7A2 antibody

Catalyzes the NADPH-dependent reduction of succinic semialdehyde to gamma-hydroxybutyrate. May have an important role in producing the neuromodulator gamma-hydroxybutyrate (GHB). Has broad substrate specificity. Has NADPH-dependent aldehyde reductase activity towards 2-carboxybenzaldehyde, 2-nitrobenzaldehyde and pyridine-2-aldehyde (in vitro). Can reduce 1,2-naphthoquinone and 9,10-phenanthrenequinone (in vitro). Can reduce the dialdehyde protein-binding form of aflatoxin B1 (AFB1) to the non-binding AFB1 dialcohol. May be involved in protection of liver against the toxic and carcinogenic effects of AFB1, a potent hepatocarcinogen.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41327764
NCBI GeneID	8574
NCBI Accession #	NP_003680.2
NCBI GenBank Nucleotide #	NM_003689.3
UniProt Accession #	O43488; O75749; Q5TG63
Molecular Weight	39,589 Da
NCBI Official Full Name	aflatoxin B1 aldehyde reductase member 2 isoform 1

NCBI Official Synonym Full Names	aldo-keto reductase family 7 member A2
NCBI Official Symbol	AKR7A2
NCBI Official Synonym Symbols	AFAR; AKR7; AFAR1; AFB1-AR1
NCBI Protein Information	aflatoxin B1 aldehyde reductase member 2
UniProt Protein Name	Aflatoxin B1 aldehyde reductase member 2
UniProt Gene Name	AKR7A2
UniProt Synonym Gene Names	AFAR; AFAR1; AKR7; AFB1-AR 1; SSA reductase
UniProt Entry Name	ARK72_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/akr7a2-antibody-immunohistochemistry-western-blot-elisa/230977>