

Rabbit AKR1A1 Polyclonal Antibody | anti-AKR1A1 antibody

AKR1A1 Antibody

CATALOG # AAA306098	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

AKR1A1; Polyclonal Antibody; AKR1A1 Antibody; Aldo-keto reductase family 1; member A1 (aldehyde reductase); ALR; ARM; DD3; ALDR1; anti-AKR1A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total AKR1A1 protein.
Form/Format	Supplied at 1mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	325
Applicable Applications for anti-AKR1A1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 312-324 amino acids of human aldo-keto reductase family 1, member A1 (aldehyde reductase)
Target Name	AKR1A1
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded human thyroid cancer tissue using 31277 (AKR1A1 Antibody) at dilution 1/30, on the right is treated with the synthetic peptide.



Application Data

Gel: 10%SDS-PAGE
Lane1: Human liver cancer tissue lysate
Lane2: Hela cell lysate
Lane3: 293T cell lysate
Lysates: 27 ug per lane
Primary antibody: 1/500 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution
Exposure time: 10 seconds

ADDITIONAL INFORMATION

Related Product Information for anti-AKR1A1 antibody	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member, also known as aldehyde reductase, is involved in the reduction of biogenic and xenobiotic aldehydes and is present in virtually every tissue. Multiple alternatively spliced transcript variants of this gene exist, all encoding the same protein.
Product Categories/Family for anti-AKR1A1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	320202988
NCBI GeneID	10327
NCBI Accession #	NP_001189342
NCBI GenBank Nucleotide #	NM_001202413.1
Molecular Weight	36,573 Da
NCBI Official Full Name	alcohol dehydrogenase
NCBI Official Synonym Full Names	aldo-keto reductase family 1, member A1 (aldehyde reductase)
NCBI Official Symbol	AKR1A1
NCBI Official Synonym Symbols	ALR; ARM; DD3; ALDR1; HEL-S-6
NCBI Protein Information	alcohol dehydrogenase [NADP(+)]
UniProt Protein Name	Alcohol dehydrogenase [NADP(+)]
UniProt Gene Name	AKR1A1
UniProt Synonym Gene Names	ALDR1; ALR
UniProt Entry Name	AK1A1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/akr1a1-antibody-immunohistochemistry-western-blot-elisa/306098>