

Rabbit anti-Human, Rat AKR1C3 Polyclonal Antibody | anti-AKR1C3 antibody

AKR1C3 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281107	Rabbit	Human, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

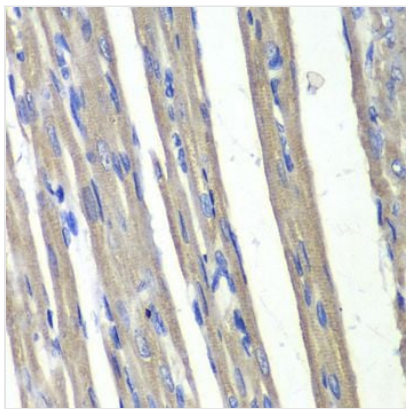
PRODUCT SYNONYMS

AKR1C3; Polyclonal Antibody; AKR1C3 Polyclonal Antibody; DD3; DDX; HA1753; HAKRB; HAKRe; hluPGFS; HSD17B5; PGFS; anti-AKR1C3 antibody

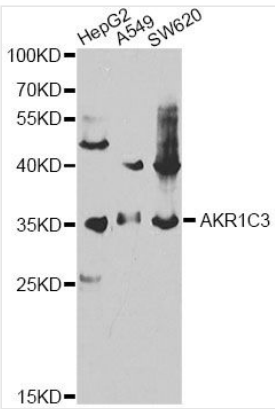
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	MDSKHQCVKL NDGHFMPVLG FGTYAPPEVP RSKALEVTKL AIEAGFRHID SAHLYNNEEQ VGLAIRSKIA DGSVKREDIF YTSKLWSTFH RPELVRPALE NSLKKAQLDY VDLYLIHSPM SLKPGEELSP TDENGKVIFD IVDLCTTWEA MEKCKDAGLA KSIGVSNFNR RQLEMILNKP GLKYKPCVNQ VECHPYFNRS KLLDFCKSKD IVLVAYSALG SQRDKRWWDP NSPVLLEDPV LCALAKKHKR TPALI
Sequence Length	323
Applicable Applications for anti-AKR1C3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human AKR1C3
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Cytoplasm
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded rat heart using AKR1C3 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using AKR1C3 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-AKR1C3 antibody	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the reduction of prostaglandin (PG) D2, PGH2 and phenanthrenequinone (PQ), and the oxidation of 9alpha,11beta-PGF2 to PGD2. It may play an important role in the pathogenesis of allergic diseases such as asthma, and may also have a role in controlling cell growth and/or differentiation. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. Three transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-AKR1C3 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	359806990
NCBI GeneID	8644
NCBI Accession #	NP_001240837.1
NCBI GenBank Nucleotide #	NM_001253908.1
UniProt Accession #	P42330 ; Q5T2L1 ; Q96DJ1 ; Q96KI8 ; Q99530 ; Q9UCX1 ; Q9UII3 ; Q9UKL9 ; A8K2V0 ; B4DL37
Molecular Weight	Calculated: 23kDa; 36kDa Observed: 37kDa
NCBI Official Full Name	aldo-keto reductase family 1 member C3 isoform 2
NCBI Official Synonym Full Names	aldo-keto reductase family 1 member C3
NCBI Official Symbol	AKR1C3
NCBI Official Synonym Symbols	DD3; DDX; PGFS; HAKRB; HAKRe; HA1753; HSD17B5; hluPGFS
NCBI Protein Information	aldo-keto reductase family 1 member C3
UniProt Protein Name	Aldo-keto reductase family 1 member C3
UniProt Gene Name	AKR1C3
UniProt Synonym Gene Names	DDH1; HSD17B5; KIAA0119; PGFS; PGFS

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/akr1c3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281107>