

Rabbit AKR1C3 Polyclonal Antibody | anti-AKR1C3 antibody

AKR1C3 antibody - N-terminal region

CATALOG # AAA201091	HOST Rabbit	REACTIVITY Cow, Guinea Pig, Human, Mouse, Pig, Rabbit, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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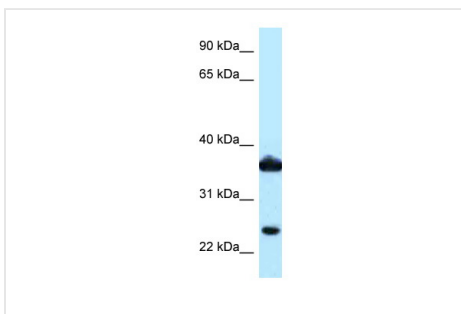
PRODUCT SYNONYMS

AKR1C3; Polyclonal Antibody; AKR1C3 antibody - N-terminal region; anti-AKR1C3 antibody

PRODUCT SPECIFICATIONS

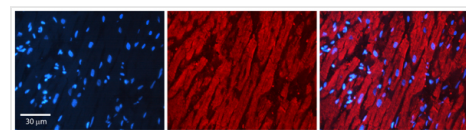
Host	Rabbit
Reactivity	Cow, Guinea Pig, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: PA LENS LKKAQL DYVDLYLIHS PMS LKPGEEL SPTDENGKVI FDI VDLCT
Sequence Length	323
Applicable Applications for anti-AKR1C3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 85%; Guinea Pig: 85%; Human: 100%; Mouse: 77%; Pig: 92%; Rabbit: 86%; Rat: 85%
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-AKR1C3 Antibody Titration: 1.0 ug/ml
Positive Control: COLO205 Whole Cell
AKR1C3 is supported by BioGPS gene expression data to be expressed in COLO205



IHC (Immunohistochemistry)

Rabbit Anti-AKR1C3 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human heart
Tissue
Observed Staining: Cytoplasmic
Primary Antibody Concentration: 1:100
Other Working Concentrations: N/A
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-AKR1C3 antibody	This is a rabbit polyclonal antibody against AKR1C3. It was validated on Western Blot Target Description: 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.
Product Categories/Family for anti-AKR1C3 antibody	Polyclonal; Drugs and Drug Metabolism; Stem Cells; Various; Tissue Specific & Cell Marker; GPCR

NCBI AND UNIPROT INFORMATION

NCBI GI #	24497583
NCBI GeneID	8644
NCBI Accession #	NP_003730
NCBI GenBank Nucleotide #	NM_003739
UniProt Accession #	P42330
Molecular Weight	36kDa
NCBI Official Full Name	aldo-keto reductase family 1 member C3 isoform 1
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; 17-beta-HSD 5; 3-alpha-HSD type 2; DD-3; DD3; PGFS
UniProt Entry Name	AK1C3_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/akr1c3-antibody-immunohistochemistry-western-blot-elisa/201091>