

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

AKR1C3 Antibody (N-term)

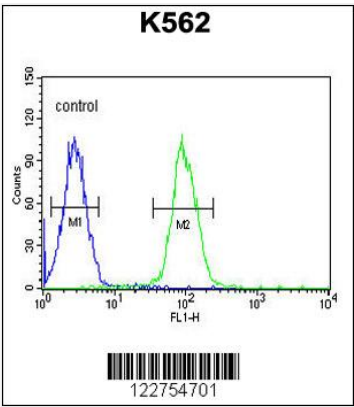
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286767	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

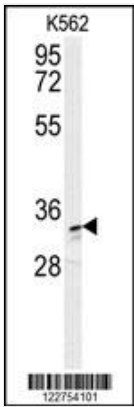
AKR1C3; Polyclonal Antibody; AKR1C3 Antibody (N-term); Aldo-keto reductase family 1 member C3; 1---; 17-beta-hydroxysteroid dehydrogenase type 5; 17-beta-HSD 5; 3-alpha-HSD type II; brain; 3-alpha-hydroxysteroid dehydrogenase type 2; 3-alpha-HSD type 2; Chlordecone reductase homolog HAKRb; Dihydrodiol dehydrogenase 3; DD-3; DD3; Dihydrodiol dehydrogenase type I; HA1753; Indanol dehydrogenase; Prostaglandin F synthase; PGFS; Testosterone 17-beta-dehydrogenase 5; Trans-1; 2-dihydrobenzene-1; 2-diol dehydrogenase; DDH1; HSD17B5; KIAA0119; anti-AKR1C3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AKR1C3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-36 amino acids from the N-terminal region of human AKR1C3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	10-36
Sequence Length	204
Applicable Applications for anti-AKR1C3 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
AKR1C3 Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
AKR1C3 Antibody (N-term) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the AKR1C3 antibody detected the AKR1C3 protein (arrow).

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.
Product Categories/Family for anti-AKR1C3 antibody	Metabolism; Neuroscience; Signal Transduction
References	Canzian, F., et al. Hum. Mol. Genet. 19(19):3873-3884(2010) Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Wang, X., et al. PLoS ONE 5 (8), E11934 (2010) : Zakharov, V., et al. Int J Clin Exp Pathol 3(6):608-617(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	359806990
NCBI GeneID	8644
NCBI Accession #	NP_001240837.1; NP_003730.4
NCBI GenBank Nucleotide #	NM_001253908.1
UniProt Accession #	P42330; Q5T2L1; Q96DJ1; Q96KI8; Q99530; Q9UCX1; Q9UII3; Q9UKL9; A8K2V0; B4DL37
Molecular Weight	36853
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; 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-flow-cytometry-western-blot-elisa/286767>