

Rabbit anti-Human, Rat AKR1C4 Polyclonal Antibody | anti-AKR1C4 antibody

AKR1C4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327838	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

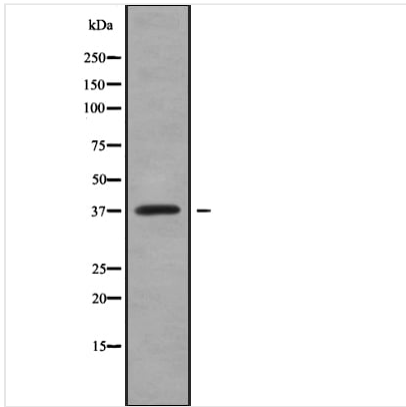
PRODUCT SYNONYMS

AKR1C4; Polyclonal Antibody; AKR1C4 Antibody; 3 alpha HSD1; 3-alpha-HSD1; 3-alpha-hydroxysteroid dehydrogenase type I; AK1C4_HUMAN; Aldo keto reductase family 1 member C4; Aldo-keto reductase family 1 member C4; CDR; Chlordecone reductase; DD-4; DD4; Dihydrodiol dehydrogenase 4; HAKRA; anti-AKR1C4 antibody

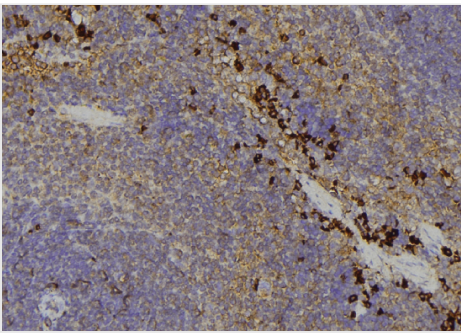
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AKR1C4 antibody detects endogenous levels of total AKR1C4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	323
Applicable Applications for anti-AKR1C4 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AKR1C4
Subcellular Location	Cytoplasm.
Tissue Specificity	Liver specific.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of AKR1C4 using K562 whole cell lysates



IHC (Immunohistochemistry)
AAA327838 at 1/100 staining Human lymph node tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-AKR1C4 antibody	Function: Catalyzes the transformation of the potent androgen dihydrotestosterone (DHT) into the less active form, 5-alpha-androstan-3-alpha, 17-beta-diol (3-alpha-diol). Also has some 20-alpha-hydroxysteroid dehydrogenase activity. The biotransformation of the pesticide chlordecone (kepone) to its corresponding alcohol leads to increased biliary excretion of the pesticide and concomitant reduction of its neurotoxicity since bile is the major excretory route. Subunit Structure: Monomer. Post-translational Modifications: The N-terminus is blocked. Similarity: Belongs to the aldo/keto reductase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	325652083
NCBI GeneID	1109
NCBI Accession #	NP_001809.3
NCBI GenBank Nucleotide #	NM_001818.3
UniProt Accession #	P17516; Q5T6A3; Q8WW84; Q9NS54
Molecular Weight	Observed: 37 kDa Predicted: 38 kDa
NCBI Official Full Name	aldo-keto reductase family 1 member C4
NCBI Official Synonym Full Names	aldo-keto reductase family 1 member C4
NCBI Official Symbol	AKR1C4
NCBI Official Synonym Symbols	C11; CDR; DD4; CHDR; DD-4; HAKRA; 3-alpha-HSD
NCBI Protein Information	aldo-keto reductase family 1 member C4
UniProt Protein Name	Aldo-keto reductase family 1 member C4
UniProt Gene Name	AKR1C4
UniProt Synonym Gene Names	CHDR; CDR; DD-4; DD4

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.