

Rabbit AKR1C1 Polyclonal Antibody | anti-AKR1C1 antibody

AKR1C1 Polyclonal Antibody

CATALOG # AAA168436	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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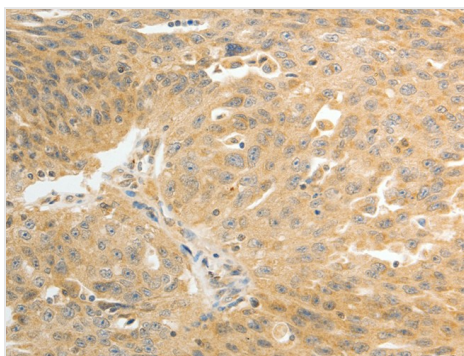
PRODUCT SYNONYMS

AKR1C1; Polyclonal Antibody; AKR1C1 Polyclonal Antibody; C9; DD1; DDH; DDH1; H-37; HBAB; MBAB; HAKRC; DD1/DD2; 2-ALPHA-HSD; 20-ALPHA-HSD; anti-AKR1C1 antibody

PRODUCT SPECIFICATIONS

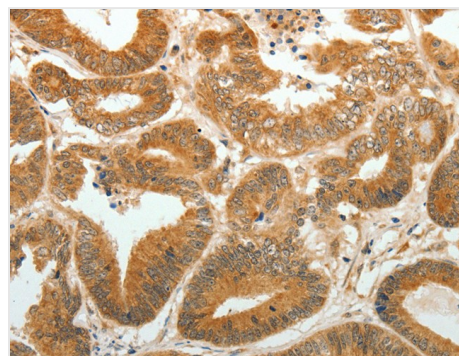
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	323
Applicable Applications for anti-AKR1C1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Synthetic peptide of human AKR1C1
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



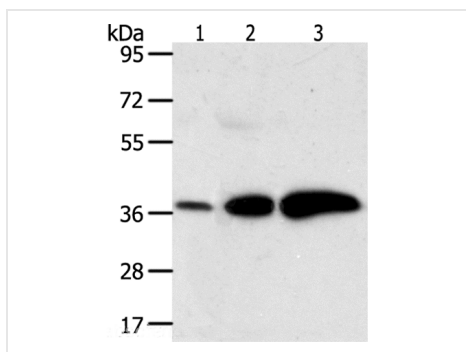
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human ovarian cancer using AKR1C1 Polyclonal Antibody at dilution of 1:30



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human colon cancer using AKR1C1 Polyclonal Antibody at dilution of 1:30



WB (Western Blot)

Western Blot analysis of Human liver cancer and breast infiltrative duct tissue, Human fetal brain tissue using AKR1C1 Polyclonal Antibody at dilution of 1:500

ADDITIONAL INFORMATION

Related Product Information for anti-AKR1C1 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 reaction of progesterone to the inactive form 20-alpha-hydroxy-progesterone. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453543
NCBI GeneID	1645
NCBI Accession #	NP_001344.2
NCBI GenBank Nucleotide #	NM_001353.5
Molecular Weight	36,788 Da
NCBI Official Full Name	aldo-keto reductase family 1 member C1
NCBI Official Synonym Full Names	aldo-keto reductase family 1, member C1
NCBI Official Symbol	AKR1C1
NCBI Official Synonym Symbols	C9; DD1; DDH; DDH1; H-37; HBAB; MBAB; HAKRC; DD1/DD2; 2-ALPHA-HSD; 20-ALPHA-HSD
NCBI Protein Information	aldo-keto reductase family 1 member C1; 20 alpha-hydroxysteroid dehydrogenase; 20-alpha-hydroxysteroid dehydrogenase; aldo-keto reductase C; chlordecone reductase homolog HAKRC; dihydrodiol dehydrogenase 1; dihydrodiol dehydrogenase 1/2; dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase; dihydrodiol dehydrogenase isoform DD1; hepatic dihydrodiol dehydrogenase; high-affinity hepatic bile acid-binding protein; indanol dehydrogenase; trans-1,2-dihydrobenzene-1,2-diol dehydrogenase; type II 3-alpha-hydroxysteroid dehydrogenase
UniProt Protein Name	Aldo-keto reductase family 1 member C1
UniProt Gene Name	AKR1C1
UniProt Synonym Gene Names	DDH; DDH1; 20-alpha-HSD; DD1/DD2; HBAB
UniProt Entry Name	AK1C1_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.