

Product datasheet for **TA308032**

AKR1C1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 22 and 248 of AKR1C1 (Uniprot ID#Q04828)
Formulation:	1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	37 kDa
Gene Name:	aldo-keto reductase family 1, member C1
Database Link:	NP_001344 Entrez Gene 1645 Human Q04828
Background:	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. [provided by RefSeq]
Synonyms:	2-ALPHA-HSD; 20-ALPHA-HSD; C9; DD1; DD2; DDH; DDH1; H-37; HAKRC; HBAB; MBAB

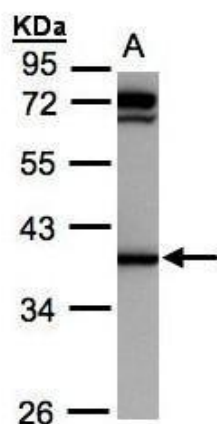


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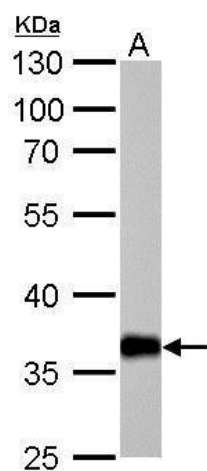
Protein Families: Druggable Genome

Protein Pathways: Metabolism of xenobiotics by cytochrome P450

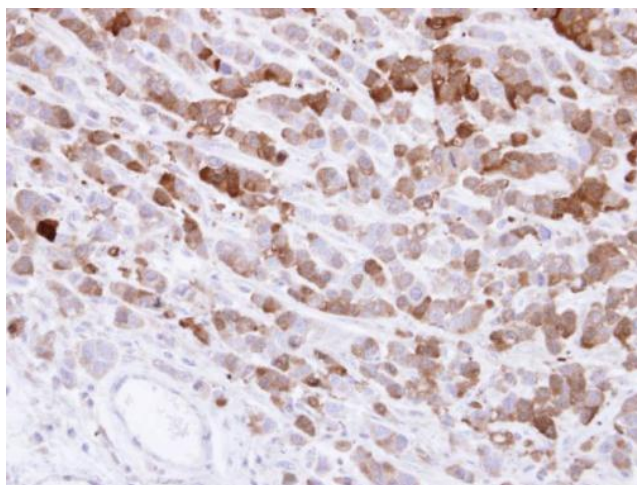
Product images:



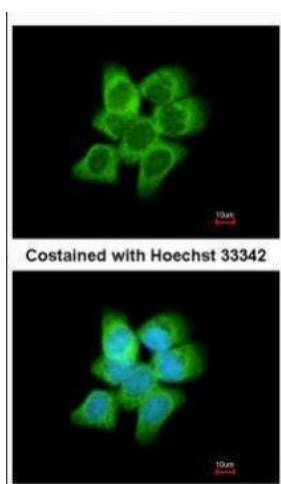
Sample (30 ug whole cell lysate). A:Raji. 10% SDS PAGE. TA308032 diluted at 1:1000



AKR1C1 antibody detects AKR1C1 protein by Western blot analysis. A. 50 ug mouse liver lysate/extract. 10 % SDS-PAGE. AKR1C1 antibody (TA308032) dilution: 1:1000



Immunohistochemical analysis of paraffin-embedded MDA-MB-468 xenograft, using AKR1C1 (TA308032) antibody at 1:500 dilution.



Immunofluorescence analysis of methanol-fixed A431, using AKR1C1 (TA308032) antibody at 1:200 dilution.