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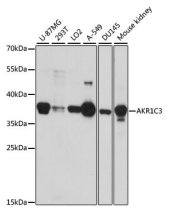
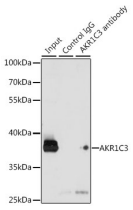
AKR1C3 Antibody

Cat. No.: 18-113



AKR1C3 Antibody



Immunoprecipitation analysis of 200ug extracts of K-562 cells, using 3 ug AKR1C3 antibody (18-113). Western blot was performed from the immunoprecipitate using AKR1C3 antibody (18-113) at a dilition of 1:1000.

Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Human, Mouse, Rat
IMMUNOGEN:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-323 of human AKR1C3 (NP_003730.4).
TESTED APPLICATIONS:	IP, WB
APPLICATIONS:	WB: ,1:500 - 1:2000 IP: ,1:50 - 1:100
POSITIVE CONTROL:	1) U-87MG
	2) 293T

	3) LO2
	4) A-549
	5) DU145
	6) Mouse kidney
PREDICTED MOLECULAR WEIGHT:	Observed: 37kDa

Properties

PURIFICATION:	Affinity purification
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
STORAGE CONDITIONS:	Store at -20˚C. Avoid freeze / thaw cycles.

Additional Info

OFFICIAL SYMBOL:	AKR1C3
ALTERNATE NAMES:	AKR1C3, DD3, HAKRB, HAKRe, HA1753, HSD17B5, hluPGFS, KIAA0119, aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II), prostaglandin F synthase, dihydrodiol dehydrogenase 3, chlordecone reductase homolog, hydroxysteroid (17-beta) dehydrogenase 5, type IIb 3-alpha hydroxysteroid dehydrogenase, trans-1, 2-dihydrobenzene-1, 2-diol dehydrogenase, DDH1, PGFS
GENE ID:	8644
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Background and References

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 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. Three transcript variants encoding different isoforms have been found for this gene.

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