

anti- AKR1C3 antibody

Product Information

Catalog No.:	FNab00262
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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 9α, 11β-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.

Immunogen information

Immunogen:	aldo-keto reductase family 1, member C3 (3-α hydroxysteroid dehydrogenase, type II)
Synonyms:	17 beta HSD 5, 3 alpha HSD type 2, 3 alpha HSD type II, brain, AKR1C3, DD 3, DD3, DDX, Dihydrodiol dehydrogenase 3, HA1753, HAKRB, HAKRe, hluPGFS, HSD17B5, Indanol dehydrogenase, KIAA0119, PGFS, Prostaglandin F synthase

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Observed MW: 37 kDa

Uniprot ID : P42330

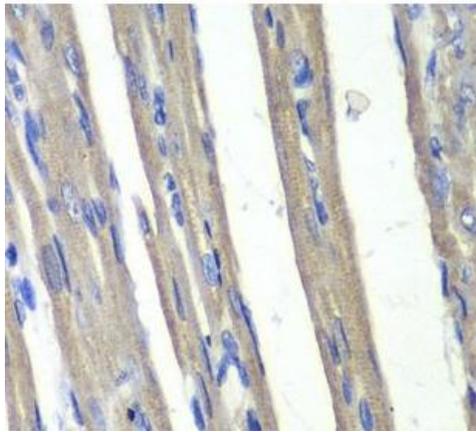
Application

Reactivity: Human, Rat

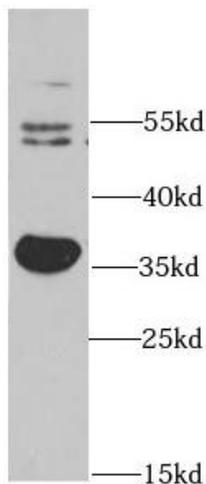
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200; IF: 1:50 - 1:200

Image:



Immunohistochemistry of paraffin-embedded rat heart using FNab00262(AKR1C3 antibody) at dilution of 1:100



HepG2 cells were subjected to SDS PAGE followed by western blot with FNab00262(AKR1C3 antibody) at dilution of 1:1000

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