

ARG63695 anti-AKR1C3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes AKR1C3
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	AKR1C3
Species	Human
Immunogen	CFASHPNYPYSDEY
Conjugation	Un-conjugated
Alternate Names	Trans-1,2-dihydrobenzene-1,2-diol dehydrogenase; Testosterone 17-beta-dehydrogenase 5; EC 1.1.1.239; Dihydrodiol dehydrogenase 3; HA1753; EC 1.1.1.112; 3-alpha-HSD type II, brain; Chlordecone reductase homolog HAKRb; DD3; Indanol dehydrogenase; EC 1.1.1.188; HSD17B5; Aldo-keto reductase family 1 member C3; DDX; 17-beta-hydroxysteroid dehydrogenase type 5; hluPGFS; 3-alpha-HSD type 2; EC 1.3.1.20; EC 1.1.1.357; Prostaglandin F synthase; HAKRe; 3-alpha-hydroxysteroid dehydrogenase type 2; EC 1.1.1.64; DD-3; 17-beta-HSD 5; HAKRB; EC 1.-.-.-; Dihydrodiol dehydrogenase type I; PGFS

Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	0.01 - 0.1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 8644 Human](#)

[Swiss-port # P42330 Human](#)

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. [provided by RefSeq, Dec 2011]

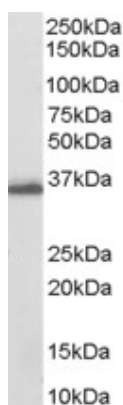
Research Area

Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody

Calculated Mw

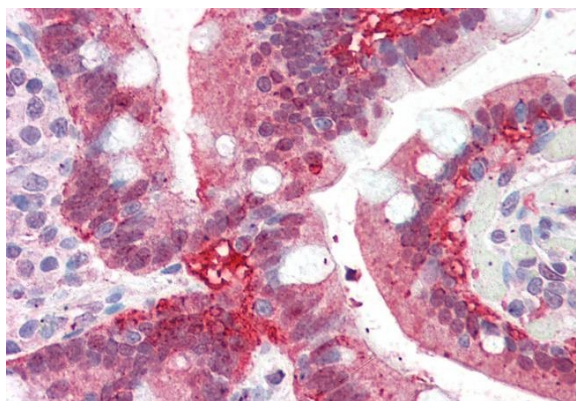
37 kDa

Images



ARG63695 anti-AKR1C3 antibody WB image

Western Blot: human breast lysate (35 µg protein in RIPA buffer) stained with ARG63695 anti-AKR1C3 antibody at 0.03 µg/ml dilution.



ARG63695 anti-AKR1C3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human small intestine tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63695 anti-AKR1C3 antibody at 5 µg/ml dilution followed by AP-staining.