ARG63964
anti-AKR1C4 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes AKR1C4
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Specificity	This antibody may cross-react with AKR1C1
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	AKR1C4
Species	Human
Immunogen	DPKYQRVELNDGH-C
Conjugation	Un-conjugated
Alternate Names	EC 1.1.1.357; CHDR; Aldo-keto reductase family 1 member C4; 3-alpha-HSD1; Chlordecone reductase; EC 1.1.1.225; DD-4; EC 1.1.1.-; HAKRA; 3-alpha-HSD; CDR; 3-alpha-hydroxysteroid dehydrogenase type I; C11; DD4; Dihydrodiol dehydrogenase 4

Application Instructions

Application table

Application	Dilution
IHC-P	2 - 4 µg/ml
WB	0.1 - 0.3 µg/ml

Application Note

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

Properties

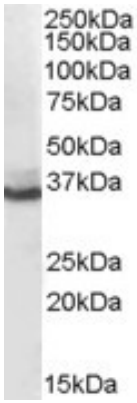
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for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

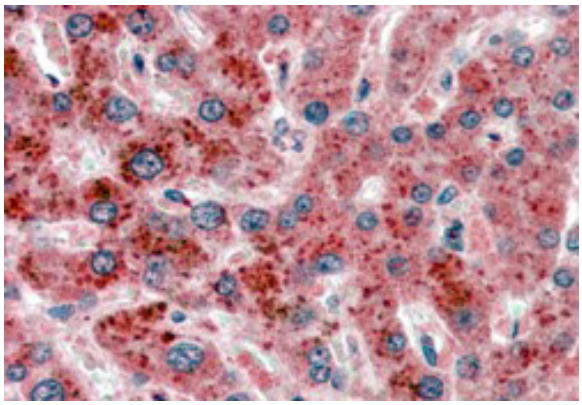
Database links	GeneID: 1109 Human Swiss-port # P17516 Human
Background	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the bioreduction of chlordecone, a toxic organochlorine pesticide, to chlordecone alcohol in liver. 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, Jul 2008]
Research Area	Cancer antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	37 kDa
PTM	The N-terminus is blocked.

Images



ARG63964 anti-AKR1C4 antibody WB image

Western Blot: human liver lysate (35 µg protein in RIPA buffer) stained with ARG63964 anti-AKR1C4 antibody at 0.1 µg/ml dilution.



ARG63964 anti-AKR1C4 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Liver. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63964 anti-AKR1C4 antibody at 2.5 µg/ml dilution followed by AP-staining.