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Datasheet for ABIN6259863 anti-AKR1C4 antibody

2 Images



Overview

Quantity:	100 µL
Target:	AKR1C4
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1C4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)
Product Details	

Immunogen:	A synthesized peptide derived from human AKR1C4
Isotype:	lgG
Specificity:	AKR1C4 Antibody detects endogenous levels of total AKR1C4
Cross-Reactivity:	Human, Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

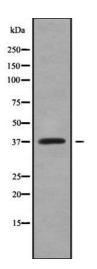
Target Details

Target:	AKR1C4
Alternative Name:	AKR1C4 (AKR1C4 Products)
Background:	Description: Catalyzes the transformation of the potent androgen dihydrotestosterone (DHT)

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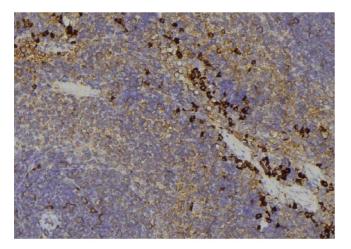
	into the less active form, 5-alpha-androstan-3-alpha,17-beta-diol (3-alpha-diol). Also has some
	20-alpha-hydroxysteroid dehydrogenase activity. The biotransformation of the pesticide
	chlordecone (kepone) to its corresponding alcohol leads to increased biliary excretion of the
	pesticide and concomitant reduction of its neurotoxicity since bile is the major excretory route.
	Gene: AKR1C4
	Gene. Arr 104
Molecular Weight:	37 kDa
Gene ID:	1109
UniProt:	P17516
Pathways:	Steroid Hormone Biosynthesis
Application Details	
Application Notes:	WB 1:1000-3000 IHC 1:200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C.Stable for 12 months from date of receipt
Expiry Date:	12 months

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Western Blotting

Image 1. Western blot analysis of AKR1C4 using K562 whole cell lysates



Immunohistochemistry

Image 2. ABIN6279104 at 1/100 staining Human lymph node tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22jãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary

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