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Datasheet for ABIN654117 anti-AKR1C3 antibody (N-Term)

2 Images

1 Publication



Overview

Quantity:	400 µL
Target:	AKR1C3
Binding Specificity:	AA 10-36, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1C3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This AKR1C3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 10-36 amino acids from the N-terminal region of human AKR1C3.
Clone:	RB22754
lsotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	AKR1C3
Alternative Name:	AKR1C3 (AKR1C3 Products)
Background:	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN654117 | 09/12/2023 | Copyright antibodies-online. All rights reserved. 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.

Molecular Weight:	36853
Gene ID:	8644
NCBI Accession:	NP_001240837, NP_003730
UniProt:	P42330
Pathways:	Retinoic Acid Receptor Signaling Pathway, Steroid Hormone Biosynthesis, Regulation of
	Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, C21-Steroid
	Hormone Metabolic Process, Protein targeting to Nucleus

Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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Okamatsu, Kawakami, Komatsu, Kitazawa, Uno, Teraoka: "Functional expression and comparative characterization of four feline P450 cytochromes using fluorescent substrates." in: **Xenobiotica; the fate of foreign compounds in biological systems**, Vol. 47, Issue 11, pp. 951-961, (2017) (PubMed).

Images



Flow Cytometry

Image 1. AKR1C3 Antibody (N-term) (ABIN654117 and ABIN2843995) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. AKR1C3 Antibody (N-term) (ABIN654117 and ABIN2843995) western blot analysis in K562 cell line lysates ($35 \mu g$ /lane).This demonstrates the AKR1C3 antibody detected the AKR1C3 protein (arrow).

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