antibodies -online.com





anti-AKR1C3 antibody (N-Term)





Go to Product page

_					
U	V	er	VI	е	W

Quantity:	100 μL
Target:	AKR1C3
Binding Specificity:	N-Term
Reactivity:	Human, Rabbit, Rat, Mouse, Cow, Pig, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1C3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Sequence:	PALENSLKKA QLDYVDLYLI HSPMSLKPGE ELSPTDENGK VIFDIVDLCT
Predicted Reactivity:	Cow: 85%, Guinea Pig: 85%, Human: 100%, Mouse: 77%, Pig: 92%, Rabbit: 86%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against AKR1C3. It was validated on Western Blot.
Purification:	Affinity Purified

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 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.

Alias Symbols: DD3, DDX, HA1753, HAKRB, HAKRe, HSD17B5, KIAA0119, hluPGFS

Protein Interaction Partner: UBC, LRIF1, ZHX1, UBE2W, ACIN1, MAGEA11,

Protein Size: 323

Molecular Weight:	36 kDa
Gene ID:	8644
NCBI Accession:	NM_003739, 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:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 323 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

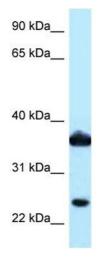
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Rabbit Anti-AKR1C3 Antibody Catalog Number: ARP61430_P050 Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec



Western Blotting

Image 2. WB Suggested Anti-AKR1C3 Antibody Titration: 1.0 ug/ml Positive Control: COLO205 Whole Cell AKR1C3 is supported by BioGPS gene expression data to be expressed in COLO205