

For Research Use Only

Multi-rAb® AKR1C3 Multi-Recombinant antibody

Catalog Number: RMX00069



Basic Information

Catalog Number: RMX00069	GenBank Accession Number: BC019230	Purification Method: N/A
Size: 100ul , Concentration: 960 µg/ml by Nanodrop;	GeneID (NCBI): 8644	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:200-1:800 IF/ICC: 1:250-1:1000
Source: Rabbit	UNIPROT ID: P42330	
Isotype: IgG	Full Name: aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)	
	Calculated MW: 323 aa, 37 kDa	
	Observed MW: 34 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HepG2 cells, rat kidney tissue IHC : human breast cancer tissue, IF/ICC : A549 cells,
Species Specificity: human, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

AKR1C3(Aldo-keto reductase family 1 member C3) is also named as DDH1, HSD17B5, KIAA0119, PGFS and belongs to AKR1C family. In humans, at least four AKR1C isoforms exist: AKR1C1, AKR1C2, AKR1C3, AKR1C4 and AKR1C3 shares >86% sequence identity with these three highly related human AKRs(PMID:18574251). It catalyzes the conversion of aldehydes and ketones to alcohols and androgen, estrogen, PG, xenobiotics metabolism.

Storage

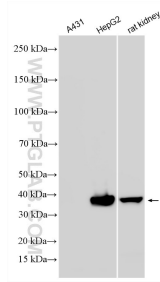
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

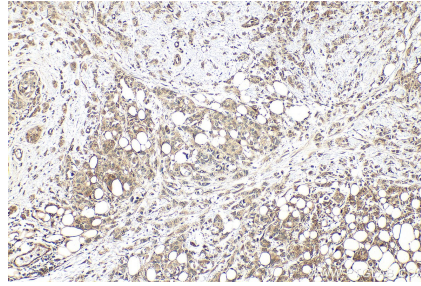
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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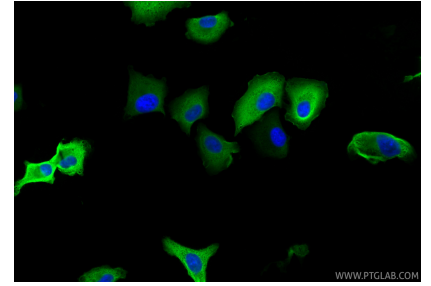
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00069 (AKR1C3 antibody) at dilution of 1:17000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using RMX00069 (AKR1C3 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using AKR1C3 antibody (RMX00069) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).