

For Research Use Only

AKR1C3 Polyclonal antibody, PBS Only

Catalog Number: 11194-1-PBS



Basic Information

Catalog Number:

11194-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1674

GenBank Accession Number:

BC019230

GeneID (NCBI):

8644

UNIPROT ID:

P42330

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

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human

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. The rat kidney possesses a dimeric form of 75 kDa (PMID:18574251).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

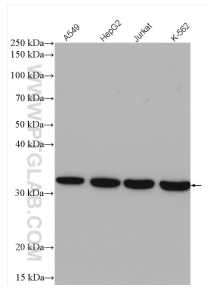
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

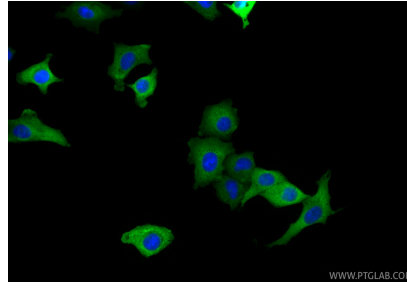
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

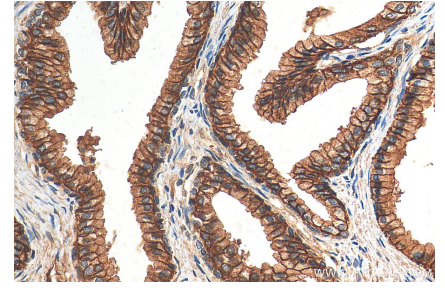
Selected Validation Data



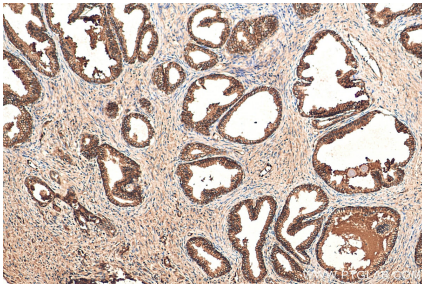
Various lysates were subjected to SDS PAGE followed by western blot with 11194-1-AP (AKR1C3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11194-1-PBS in a different storage buffer formulation.



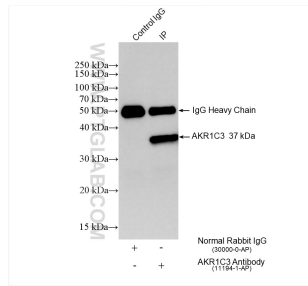
Immunofluorescent analysis of (4% PFA) fixed A549 cells using AKR1C3 antibody (11194-1-AP) at dilution of 1:225 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 11194-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11194-1-AP (AKR1C3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11194-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11194-1-AP (AKR1C3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11194-1-PBS in a different storage buffer formulation.



IP result of anti-AKR1C3 (IP:11194-1-AP, 4ug; Detection:11194-1-AP 1:3000) with HepG2 cells lysate 2000 ug. This data was developed using the same antibody clone with 11194-1-PBS in a different storage buffer formulation.