

# DHRS9 Polyclonal antibody

Catalog Number: 14560-1-AP

3 Publications

## Basic Information

## Catalog Number:

14560-1-AP

## Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG6116

## GenBank Accession Number:

BC058883

## GeneID (NCBI):

10170

## UNIPROT ID:

Q9BPW9

## Full Name:

dehydrogenase/reductase (SDR family) member 9

## Calculated MW:

35 kDa

## Observed MW:

45-50 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:1000-1:5000

IHC 1:100-1:400

IF/ICC 1:50-1:500

## Applications

## Tested Applications:

WB, IHC, IF/ICC, ELISA

## Cited Applications:

WB, IHC, IF

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Positive Controls:

WB: Jurkat cells, HeLa cells, mouse trachea tissue, HT-29 cells, THP-1 cells

IHC: human lung cancer tissue,

IF/ICC: A549 cells,

## Background Information

Dehydrogenase/reductase 9 (DHRS9), is a member of the short-chain dehydrogenases/reductases (SDR) family. DHRS9 has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. DHRS9 has 4 isoforms with molecular weight of 19, 30, 35, 42 kDa, and demonstrates oxidoreductase activity toward hydroxysteroids. DHRS9 is able to convert 3-alpha-tetrahydroprogesterone to dihydroxyprogesterone and 3-alpha-androstenediol to dihydroxyprogesterone in the cytoplasm, and may additionally function as a transcriptional repressor in the nucleus.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jinling Xu	36061826	EPMA J	IF, WB
Shuang Bai	34277700	Front Mol Biosci	WB
Barnabas Imer	39825568	Mol Oncol	IHC

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

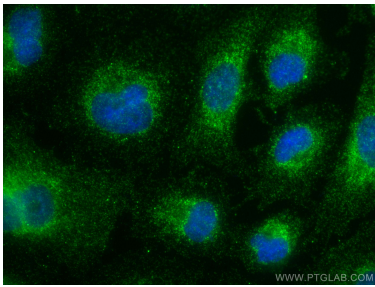
For technical support and original validation data for this product please contact:

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

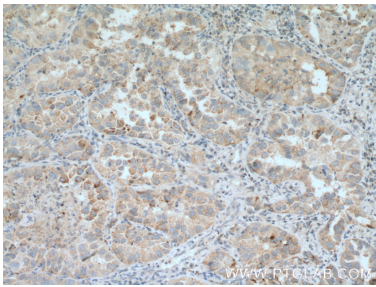
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

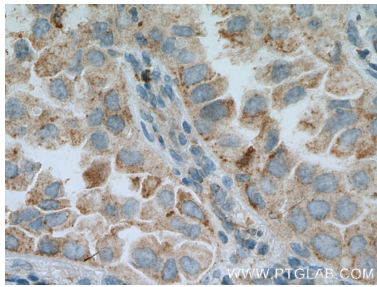
Selected Validation Data



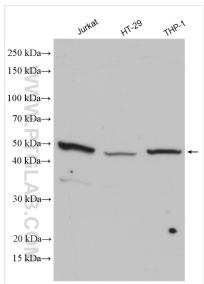
Immunofluorescent analysis of (4% PFA) fixed A549 cells using DHR59 antibody (14560-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 14560-1-AP (DHR59 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 14560-1-AP (DHR59 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 14560-1-AP (DHR59 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.