

For Research Use Only

DHRS9 Polyclonal antibody

Catalog Number: 14560-1-AP **2 Publications**



Basic Information

Catalog Number: 14560-1-AP	GenBank Accession Number: BC058883	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10170	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:100-1:400 IF 1:50-1:500
Source: Rabbit	Full Name: dehydrogenase/reductase (SDR family) member 9	
Isotype: IgG	Calculated MW: 35 kDa	
Immunogen Catalog Number: AG6116	Observed MW: 45-50 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : Jurkat cells, HeLa cells, mouse trachea tissue, HT-29 cells, THP-1 cells
Cited Applications: IF, WB	IHC : human lung cancer tissue,
Species Specificity: human, mouse, rat	IF : A549 cells,
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

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

Storage

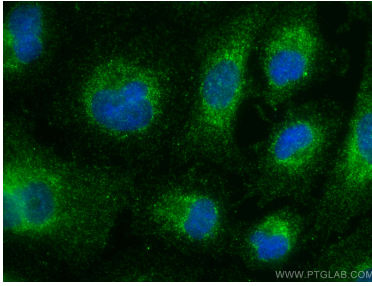
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

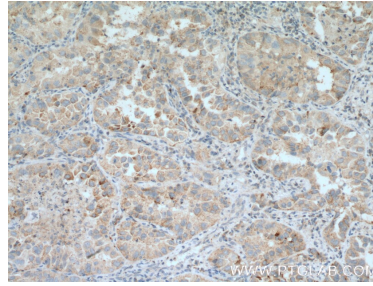
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

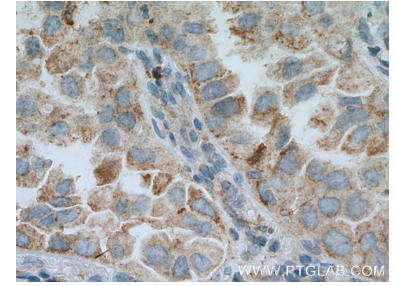
Selected Validation Data



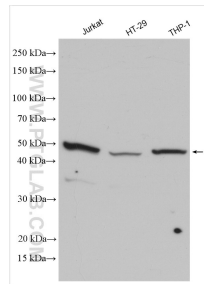
Immunofluorescent analysis of (4% PFA) fixed A549 cells using DHR59 antibody (14560-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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.