

For Research Use Only

DENR Polyclonal antibody

Catalog Number: 10656-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

10656-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1023

GenBank Accession Number:

BC007860

GeneID (NCBI):

8562

UNIPROT ID:

O43583

Full Name:

density-regulated protein

Calculated MW:

27 kDa

Observed MW:

27-30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:4000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

IF/ICC: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, pig, zebrafish

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: A431 cells, mouse lung tissue, HEK-293 cells, mouse brain tissue

IP: HeLa cells,

IHC: human liver cancer tissue,

IF/ICC: HEK-293 cells, A431 cells

Background Information

DENR, also named as SMAP-3 or DRP1, is a 198 amino acid protein, which is highly expressed in heart and skeletal muscle and moderately expressed in the brain, placenta, liver and pancreas. DENR is Up-regulated with increasing cell-density by HNRNP and Up-regulated in ovarian and breast cancer cells by ERBB2 overexpression. The calculated molecular weight of DENR is 22 kDa, but the modified protein is about 25-30 kDa. (PMID: 27239039)

Notable Publications

Author	Pubmed ID	Journal	Application
Xiao-Lin Jiang	36309912	Aging (Albany NY)	WB
He Tai	36279396	Aging (Albany NY)	WB
Xiao-Lin Jiang	36465612	Front Endocrinol (Lausanne)	

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

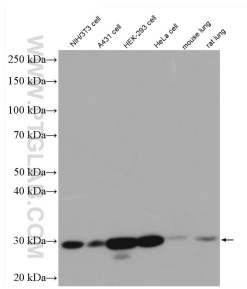
For technical support and original validation data for this product please contact:

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

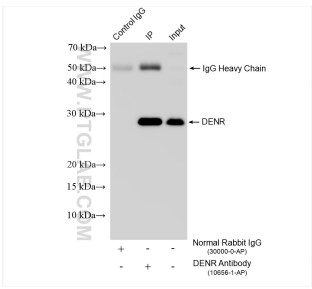
E: proteintech@ptglab.com
W: ptglab.com

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

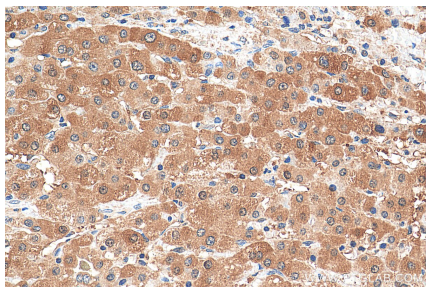
Selected Validation Data



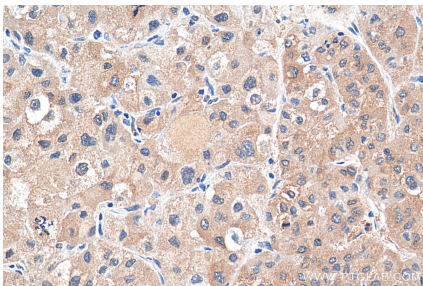
Various lysates were subjected to SDS PAGE followed by western blot with 10656-1-AP (DENR antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



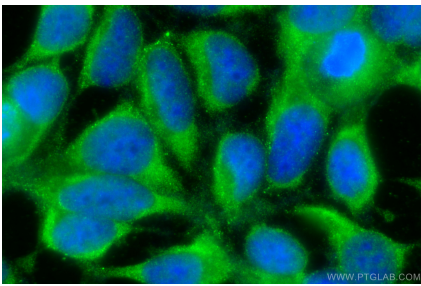
IP result of anti-DENR (IP:10656-1-AP, 4ug; Detection:10656-1-AP 1:600) with HeLa cells lysate 1200 ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10656-1-AP (DENR antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10656-1-AP (DENR antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using DENR antibody (10656-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).