

For Research Use Only

# DENR Polyclonal antibody

Catalog Number: 10656-1-AP

Featured Product

12 Publications



## Basic Information

**Catalog Number:**

10656-1-AP

**Size:**

800 µg/ml

**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

IHC 1:50-1:500

IF 1:10-1:100

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat, mouse, zebrafish, pig

**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

IHC : human liver cancer tissue,

IF : 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 HNRNPD 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
Tabitha M Quebedeaux	34750769	Reprod Sci	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

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

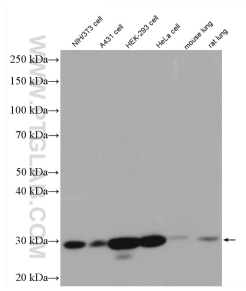
T: 4006900926

E: Proteintech-CN@ptglab.com

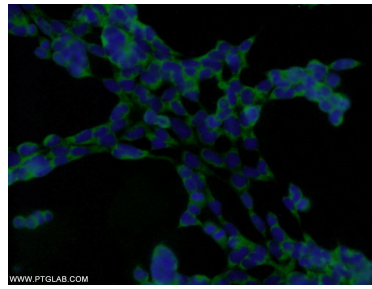
W: ptgcn.com

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

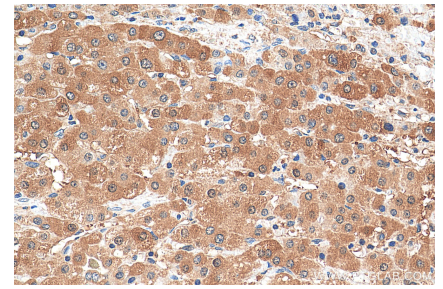
## Selected Validation Data



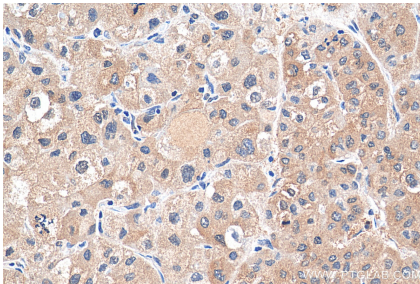
Various lysates were subjected to SDS PAGE followed by western blot with 10656-1-AP (DENR antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HEK-293 cells using 10656-1-AP (DENR antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).