

For Research Use Only

# DUSP11 Polyclonal antibody

Catalog Number: 10204-2-AP

Featured Product

10 Publications



## Basic Information

### Catalog Number:

10204-2-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0276

### GenBank Accession Number:

BC000346

### GeneID (NCBI):

8446

### UNIPROT ID:

O75319

### Full Name:

dual specificity phosphatase 11 (RNA/RNP complex 1-interacting)

### Calculated MW:

39 kDa

### Observed MW:

39 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:2000-1:12000

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

IF/ICC: 1:700-1:2800

## Applications

### Tested Applications:

WB, IF/ICC, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human

### Cited Species:

human

### Positive Controls:

WB: A431 cells, HeLa cells, K-562 cells

IP: K-562 cells,

IF/ICC: A431 cells,

## Background Information

DUSP11, also known as PIR1, is a unique member of atypical DUSPs which could bind directly to RNA and possess RNA 5'-triphosphatase and diphosphatase activities. DUSP11 converts the 5' triphosphate of microRNA precursors to a 5' monophosphate, and regulates cellular noncoding RNAs levels. In addition to a catalysis towards RNA, more evidence showed that DUSP11 could also dephosphorylate proteins.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yang Zhao	30451863	Nat Commun	WB
James M Burke	28296624	RNA Biol	WB
Nicolas Vabret	35789859	iScience	WB

## 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

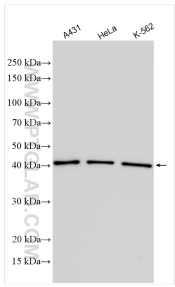
For technical support and original validation data for this product please contact:

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

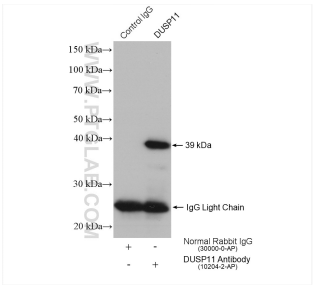
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

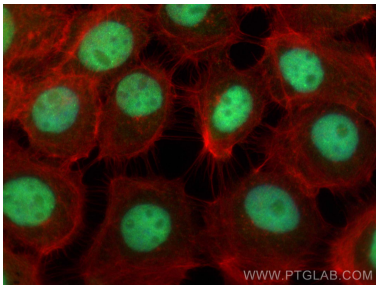
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10204-2-AP (DUSP11 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



IP result of anti-DUSP11 (IP:10204-2-AP, 4ug; Detection:10204-2-AP 1:4000) with K-562 cells lysate 1760 ug.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using DUSP11 antibody (10204-2-AP) at dilution of 1:1400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).