

For Research Use Only

# DUSP11 Polyclonal antibody

Catalog Number: 10204-2-AP

Featured Product

8 Publications



## Basic Information

<b>Catalog Number:</b> 10204-2-AP	<b>GenBank Accession Number:</b> BC000346	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8446	<b>Recommended Dilutions:</b> WB 1:2000-1:12000 IP 0.5-4.0 ug for IP and 1:1000-1:8000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> dual specificity phosphatase 11 (RNA/RNP complex 1-interacting)	<b>IF 1:700-1:2800</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 39 kDa	
<b>Immunogen Catalog Number:</b> AG0276	<b>Observed MW:</b> 39 kDa	

## Applications

<b>Tested Applications:</b> IF, IP, WB, ELISA	<b>Positive Controls:</b> WB : A431 cells, HeLa cells, K-562 cells
<b>Cited Applications:</b> WB	<b>IP :</b> K-562 cells,
<b>Species Specificity:</b> human	<b>IF :</b> A431 cells,
<b>Cited Species:</b> human	

## 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

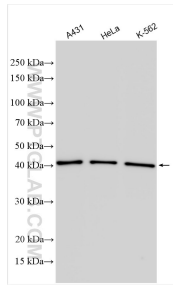
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

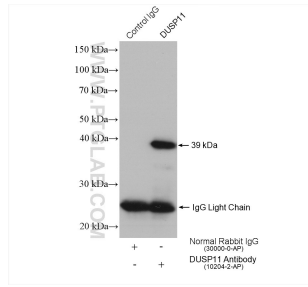
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

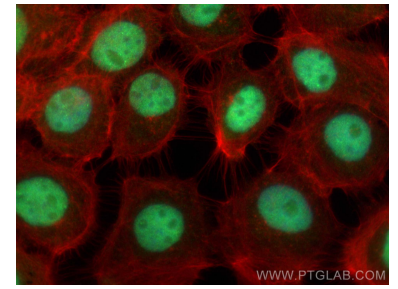
## Selected Validation Data



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 AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).