

For Research Use Only

# DUSP11 Polyclonal antibody

Catalog Number: 10204-2-AP

Featured Product

8 Publications



## Basic Information

**Catalog Number:**

10204-2-AP

**Size:**

700 µg/ml

**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 µg for 1.0-3.0 mg of total protein lysate

IF 1:700-1:2800

## Applications

**Tested Applications:**

IF/ICC, IP, WB, 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 : 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

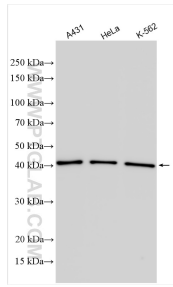
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

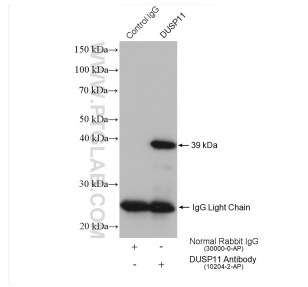
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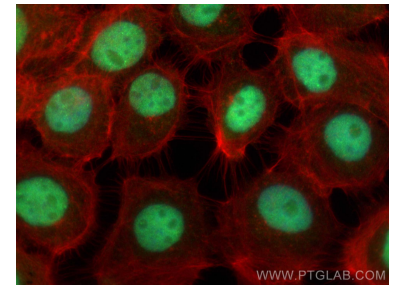
## Selected Validation Data



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).