

For Research Use Only

DUSP11 Polyclonal antibody

Catalog Number: 10204-2-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

10204-2-AP

Size:

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

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

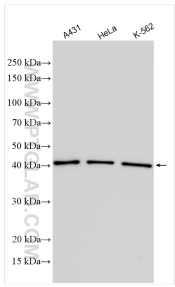
For technical support and original validation data for this product please contact:

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

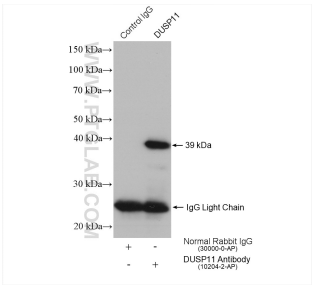
E: proteintech@ptglab.com
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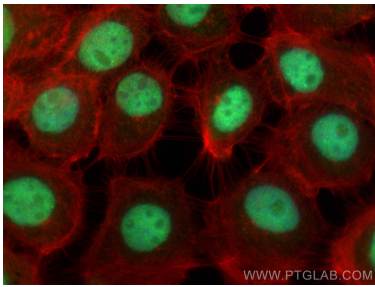
Selected Validation Data



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