

For Research Use Only

OIP5 Polyclonal antibody

Catalog Number: 12142-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

12142-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2790

GenBank Accession Number:

BC015050

GeneID (NCBI):

11339

UNIPROT ID:

O43482

Full Name:

Opa interacting protein 5

Calculated MW:

229 aa, 25 kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

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

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : HEK-293 cells, Jurkat cells

IP : Jurkat cells,

Background Information

OIP5 is also known as Mis18 β . Vertebrates possess two Mis18 paralogs, Mis18 α and Mis18 β . Mis18 has been previously shown to affect histone modifications and the methylation status of underlying chromatin. Eliminating histone methylation within the alpha satellite DNA repeats of a human artificial chromosome alters the recruitment of HJURP. The Mis18core complex was originally characterized as an oligomer with a proposed 2:2 stoichiometry of Mis18 α and Mis18 β , but additional work demonstrated a 4:2 Mis18 α :Mis18 β hexamer. (PMID: 31492860, PMID: 26942680)

Notable Publications

Author	Pubmed ID	Journal	Application
Qing Yuan	25378924	Int J Nanomedicine	WB
Yuwen Li	30816485	Oncol Rep	WB
Jianyu Wang	24519934	J Biol Chem	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

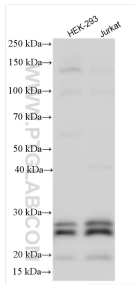
For technical support and original validation data for this product please contact:

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

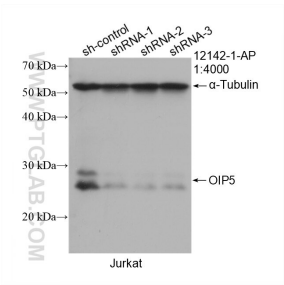
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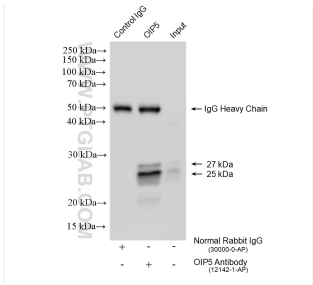
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12142-1-AP (OIP5 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



WB result of OIP5 antibody (12142-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-OIP5 transfected Jurkat cells.



IP result of anti-OIP5 (IP:12142-1-AP, 4ug; Detection:12142-1-AP 1:1500) with Jurkat cells lysate 2030 ug.