

For Research Use Only

INTS4 Recombinant antibody, PBS Only

Catalog Number: 83590-6-PBS



Basic Information

Catalog Number:

83590-6-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9116

GenBank Accession Number:

BC009995

GeneID (NCBI):

92105

UNIPROT ID:

Q96HW7

Full Name:

integrator complex subunit 4

Calculated MW:

963aa,108 kDa; 505aa,57 kDa

Observed MW:

108 kDa

Purification Method:

Protein A purification

CloneNo.:

240579F7

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human, mouse

Background Information

Integrator complex subunit 4 (INTS4), a helical repeat protein, plays a key role in stabilizing nuclease domains and other components. INTS4 is a specific and conserved interaction partner of INTS9/11 heterodimer that does not interact with either subunit individually (PMID: 29471365). INTS4 plays a role in achieving a compact nuclease/pseudonuclease configuration resembling that observed for CPSF 73/100 in the histone-processing machinery (PMID: 33548203).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

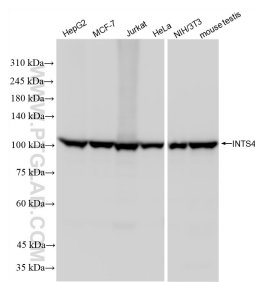
For technical support and original validation data for this product please contact:

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

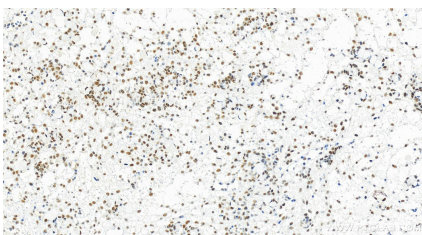
E: proteintech@ptglab.com
W: ptglab.com

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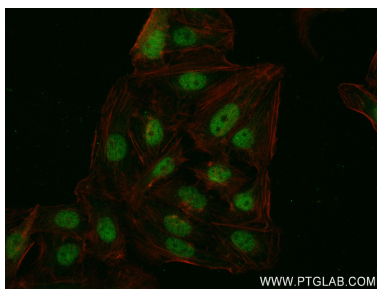
Selected Validation Data



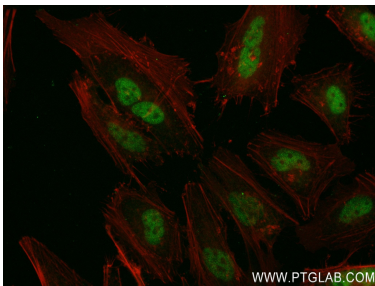
Various lysates were subjected to SDS PAGE followed by western blot with 83590-6-RR (INTS4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83590-6-PBS in a different storage buffer formulation.



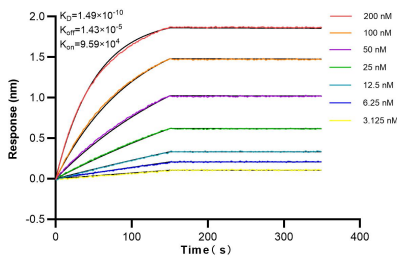
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83590-6-RR (INTS4 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83590-6-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using INTS4 antibody (83590-6-RR, Clone: 240579F7) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83590-6-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using INTS4 antibody (83590-6-RR, Clone: 240579F7) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83590-6-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83590-6-RR against Human INTS4 were performed. The affinity constant is 0.149 nM.