

For Research Use Only

INTS4 Recombinant antibody

Catalog Number: 83590-5-RR



Basic Information

Catalog Number: 83590-5-RR	GenBank Accession Number: BC009995	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 92105	CloneNo.: 240579H4
Source: Rabbit	UNIPROT ID: Q96HW7	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: integrator complex subunit 4	
Immunogen Catalog Number: AG9116	Calculated MW: 963aa, 108 kDa; 505aa, 57 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : U2OS cells, HeLa cells
Species Specificity: human	

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 CPSF73/100 in the histone-processing machinery (PMID: 33548203).

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:

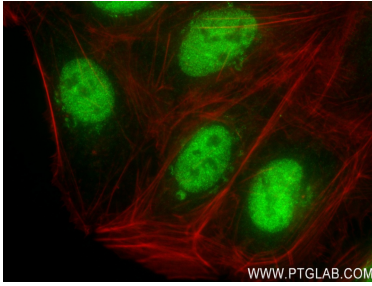
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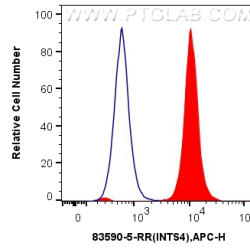
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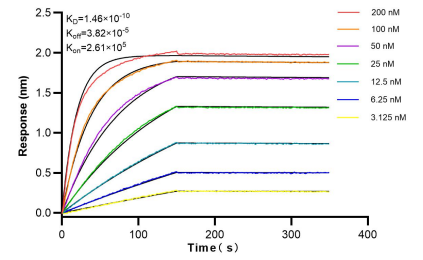
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using INTS4 antibody (83590-5-RR, Clone: 240579H4) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10⁶ A431 cells were intracellularly stained with 0.25 ug INTS4 Recombinant antibody (83590-5-RR, Clone:240579H4) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Bi-layer interferometry (BLI) kinetic assays of 83590-5-RR against Human INTS4 were performed. The affinity constant is 0.146 nM.