

For Research Use Only

HIRA Recombinant antibody

Catalog Number: 83194-5-RR



Basic Information

Catalog Number: 83194-5-RR	GenBank Accession Number: NM_003325	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7290	CloneNo.: 240006E5
Source: Rabbit	UNIPROT ID: P54198	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	
Immunogen Catalog Number: AG34439	Calculated MW: 112 kDa	

Applications

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

Background Information

HIRA protein is encoded by a gene within a region of human chromosome 22q11.2 deleted in most patients with the DiGeorge syndrome, a developmental disorder, and was named for its amino acid sequence homology to two *S. cerevisiae* proteins, Hir1p and Hir2p. HIRA is critical in a specific chromatin assembly pathway that takes place independently of DNA synthesis (PMID: 12049744). HIRA complex associates with various proteins, such as transcription factors, RNA pol II, Prohibitin (PHB), and replication protein A (RPA) suggests that the targeting of the complex at specific locations may exploit additional structural properties and mechanisms (PMID: 30082790).

Storage

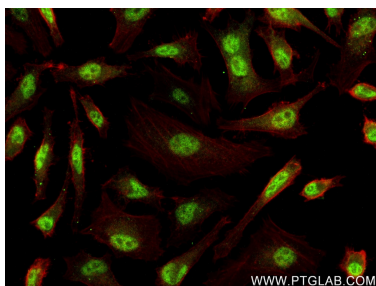
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

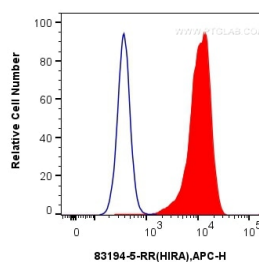
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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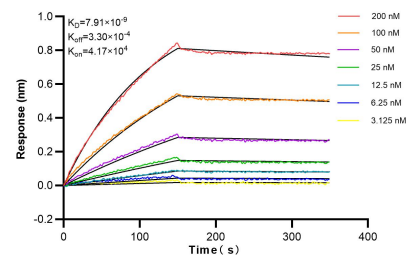
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HIRA antibody (83194-5-RR, Clone: 240006E5) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1×10^6 K-562 cells were intracellularly stained with 0.25 μ g HIRA Recombinant Antibody (83194-5-RR, Clone: 240006E5) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83194-5-RR against Human HIRA were performed. The affinity constant is 7.91 nM.