

For Research Use Only

HIRA Recombinant antibody

Catalog Number: 83194-4-RR



Basic Information

Catalog Number: 83194-4-RR	GenBank Accession Number: NM_003325	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 7290	CloneNo.: 240006F8
Source: Rabbit	UNIPROT ID: P54198	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	
Immunogen Catalog Number: AG34439	Calculated MW: 112 kDa	
	Observed MW: 112 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells, HepG2 cells, K-562 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

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

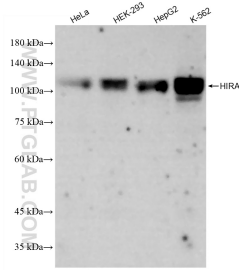
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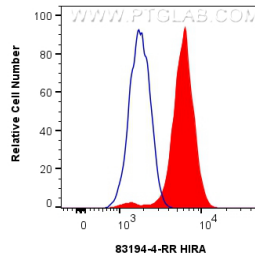
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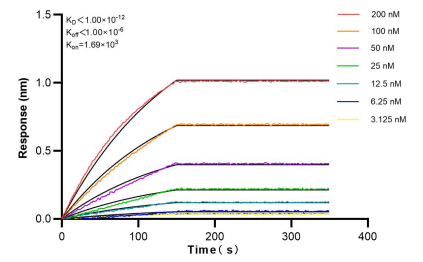
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83194-4-RR (HIRA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 K-562 cells were intracellularly stained with 0.25 μ g HIRA Recombinant antibody (83194-4-RR, Clone:240006F8) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 μ g Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biacore interferometry (BLI) kinetic assays of 83194-4-RR against Human HIRA were performed. The affinity constant is below 1 pM.