

For Research Use Only

HLTF Recombinant monoclonal antibody

Catalog Number: 86362-2-RR



Basic Information

Catalog Number: 86362-2-RR	GenBank Accession Number: BC044659	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 6596	CloneNo.: 251000A4
Source: Rabbit	UNIPROT ID: Q14527	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: helicase-like transcription factor	
Immunogen Catalog Number: AG5596	Calculated MW: 114 kDa	
	Observed MW: 114 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U-937 cells, HeLa cells, K-562 cells, HCT 116 cells, COS-7 cells, NIH//3T3 cells
Species Specificity: human, mouse, monkey	

Background Information

Helicase-like Transcription Factor (HLTF) is a crucial nuclear protein and member of the SWI/SNF family of chromatin-remodeling complexes, playing a dual role in transcription regulation and DNA damage repair. It functions dually as a regulator of gene expression, utilizing its ATP-dependent helicase activity to modify chromatin structure and facilitate transcription, and as a central effector in the DNA damage response pathway. HLTF is particularly crucial for promoting error-free DNA repair at stalled replication forks via a mechanism called template switching, which prevents the accumulation of mutagenic lesions. HLTF can be detected as 114 kDa.

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

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

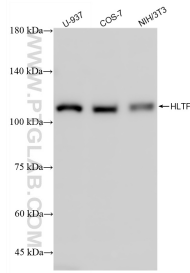
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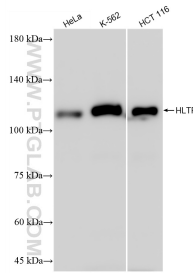
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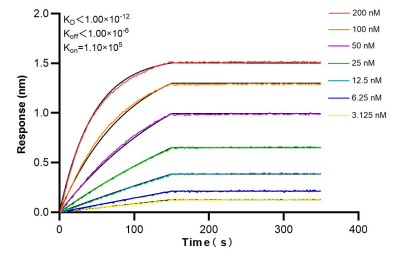
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86362-2-RR (HLTF antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 86362-2-RR against Human HLTf were performed. The affinity constant is below 1 pM.