

For Research Use Only

# HTLF Recombinant monoclonal antibody

Catalog Number: 86362-2-RR



## Basic Information

Catalog Number:	86362-2-RR	GenBank Accession Number:	BC044659	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	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 (HTLF) 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. HTLF 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. HTLF can be detected as 114 kDa.

## Storage

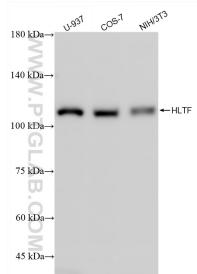
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

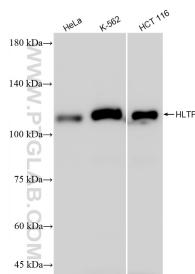
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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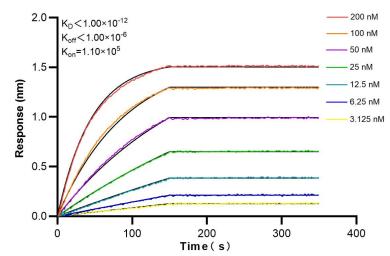
## Selected Validation Data



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.