

For Research Use Only

# HTLF Recombinant monoclonal antibody, PBS Only

Catalog Number: 86362-2-PBS



## Basic Information

Catalog Number:	86362-2-PBS	GenBank Accession Number:	BC044659	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI):	6596	CloneNo.:	251000A4
Source:	Rabbit	UNIPROT ID:	Q14527	Full Name:	helicase-like transcription factor
Isotype:	IgG	Calculated MW:	114 kDa	Observed MW:	114 kDa
Immunogen Catalog Number:	AG5596				

## Applications

### Tested Applications:

WB, Indirect ELISA

### 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 -80°C.

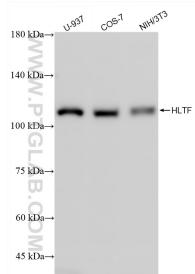
### Storage Buffer:

PBS only, pH7.3

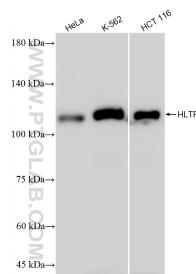
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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W: ptglab.com

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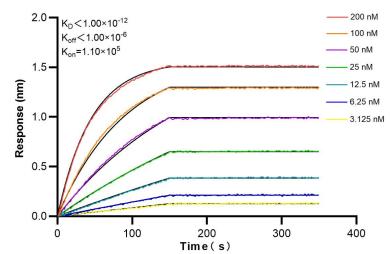
## Selected Validation Data



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. This data was developed using the same antibody clone with 86362-2-PBS in a different storage buffer formulation.



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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.