

For Research Use Only

# TTLL12 Polyclonal antibody

Catalog Number: 21447-1-AP



## Basic Information

<b>Catalog Number:</b> 21447-1-AP	<b>GenBank Accession Number:</b> BC001070	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23170	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14166	
<b>Isotype:</b> IgG	<b>Full Name:</b> tubulin tyrosine ligase-like family, member 12	
<b>Immunogen Catalog Number:</b> AG13804	<b>Calculated MW:</b> 644 aa, 74 kDa	
	<b>Observed MW:</b> 75 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, LNCaP cells
<b>Species Specificity:</b> human	

## Background Information

TTLL12 is a member of the tubulin tyrosine ligase (TTL) family that is highly conserved in phylogeny. TTLL12 contains 644 amino acids and has a SET-like domain and a TTL-like domain. TTLL12 is involved in the regulation of tubulin and histone modification and is a negative regulator of RNA virus-induced type I interferon. During the cell cycle, Both trimethylation of H4K20 and tubulin detyrosination levels were altered by TTLL2 expression (PMID: 23251473).

## Notable Publications

Author	Pubmed ID	Journal	Application
Shangjie Yang	32211104	Int J Clin Exp Pathol	IHC

## Storage

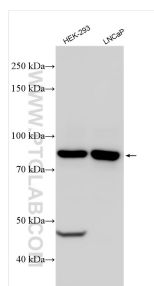
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21447-1-AP (TLL12 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.