

For Research Use Only

# TTL Monoclonal antibody

Catalog Number: 66076-1-Ig **4 Publications**



## Basic Information

<b>Catalog Number:</b> 66076-1-Ig	<b>GenBank Accession Number:</b> BC036819	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 900 µg/ml	<b>GeneID (NCBI):</b> 150465	<b>CloneNo.:</b> 2E5F8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q8NG68	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:20-1:200
<b>Isotype:</b> IgG2b	<b>Full Name:</b> tubulin tyrosine ligase	
<b>Immunogen Catalog Number:</b> AG4708	<b>Calculated MW:</b> 377 aa, 43 kDa	
	<b>Observed MW:</b> 43 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : rat brain tissue, fetal human brain tissue, mouse brain tissue, pig brain tissue, SH-SY5Y cells IHC : human liver tissue,
<b>Cited Applications:</b> IF, WB	
<b>Species Specificity:</b> human, mouse, rat, pig	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Tubulin-tyrosine ligase (TTL) is the enzyme responsible for the reversible addition of a tyrosine residue at the carboxyl end of alpha-tubulin. TTL forms stable complexes with tubulin and inhibit tubulin polymerization. TTL is frequently suppressed during tumor progression with resulting accumulation of detyrosinated alpha-tubulin in tumor cells. TTL suppression in human cancers is associated with increased tumor aggressiveness.

## Notable Publications

Author	Pubmed ID	Journal	Application
Luísa T Ferreira	29804676	Methods Cell Biol	
Amrendra Mishra	31170286	Carcinogenesis	
Rui Wang	31408157	J Mol Cell Biol	IF

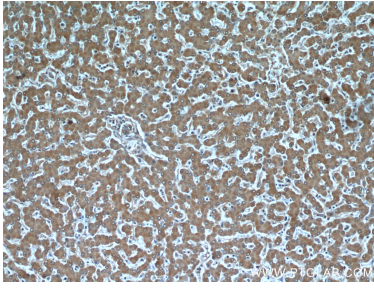
## Storage

**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

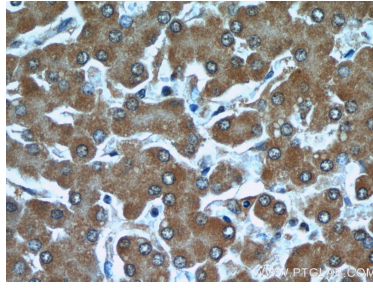
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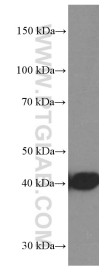
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver using 66076-1-Ig(TTL antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 66076-1-Ig(TTL antibody) at dilution of 1:50 (under 40x lens).



rat brain tissue were subjected to SDS PAGE followed by western blot with 66076-1-Ig (TTL Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.