

For Research Use Only

# TTL Monoclonal antibody

Catalog Number: 66076-1-Ig

Featured Product

7 Publications



## Basic Information

### Catalog Number:

66076-1-Ig

### Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 760 ug/ml by Bradford method using BSA as the standard;

### Source:

Mouse

### Isotype:

IgG2b

### Immunogen Catalog Number:

AG4708

### GenBank Accession Number:

BC036819

### GeneID (NCBI):

150465

### UNIPROT ID:

Q8NG68

### Full Name:

tubulin tyrosine ligase

### Calculated MW:

377 aa, 43 kDa

### Observed MW:

43 kDa

### Purification Method:

Protein A purification

### CloneNo.:

2E5F8

### Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat, pig

### Cited Species:

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB**: LNCaP cells, fetal human brain tissue, SH-SY5Y cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue

**IHC**: human liver tissue,

## 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 deetyrosinated 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

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

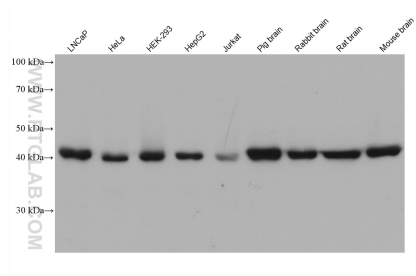
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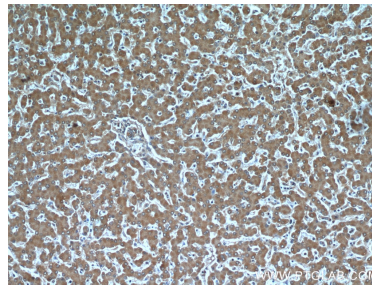
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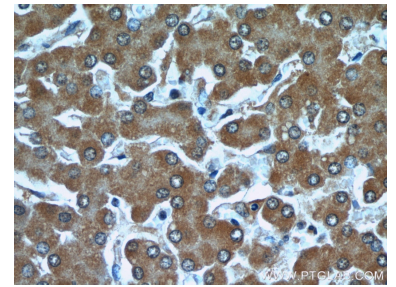
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66076-1-Ig (TTL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).