

For Research Use Only

TTL Monoclonal antibody

Catalog Number: 66076-1-Ig

Featured Product

7 Publications



Basic Information

Catalog Number: 66076-1-Ig	GenBank Accession Number: BC036819	Purification Method: Protein A purification
Size: 150ul, Concentration: 900 ug/ml by Nanodrop and 760 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 150465	CloneNo.: 2E5F8
Source: Mouse	UNIPROT ID: Q8NG68	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:20-1:200
Isotype: IgG2b	Full Name: tubulin tyrosine ligase	
Immunogen Catalog Number: AG4708	Calculated MW: 377 aa, 43 kDa	
	Observed MW: 43 kDa	

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 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

*** 20ul sizes contain 0.1% BSA

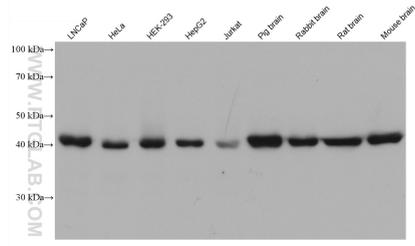
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

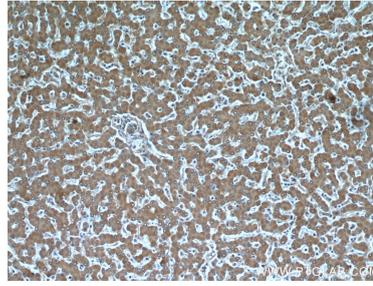
E: proteintech@ptglab.com
W: ptglab.com

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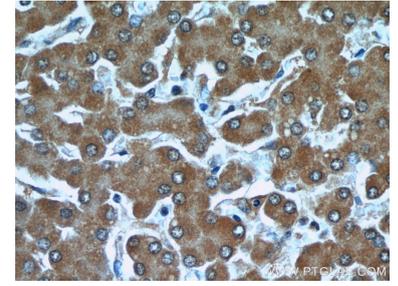
Selected Validation Data



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).