

For Research Use Only

TTL Recombinant antibody, PBS Only

Catalog Number: 82763-5-PBS

Featured Product



Basic Information

Catalog Number:

82763-5-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4526

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.:

3P9

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

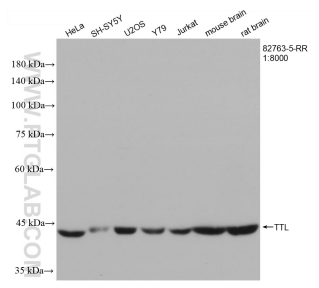
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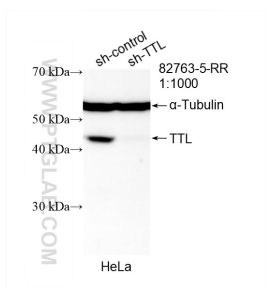
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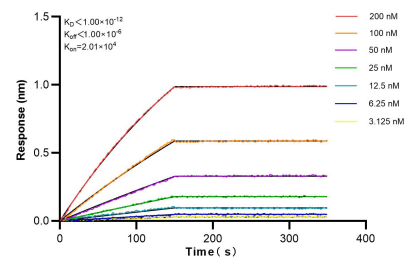
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82763-5-RR (TTL antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82763-5-PBS in a different storage buffer formulation.



WB result of TTL antibody (82763-5-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TTL transfected HeLa cells. This data was developed using the same antibody clone with 82763-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82763-5-RR against Human TTL were performed. The affinity constant is below 1 pM.