

Rabbit TTL Polyclonal Antibody | anti-TTL antibody

TTL Antibody

CATALOG # AAA323002	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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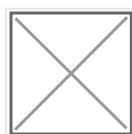
PRODUCT SYNONYMS

TTL; Polyclonal Antibody; TTL Antibody; FLJ35808; TTL 6; TTL.6; Tubulin polyglutamylase TTL6; Tubulin tyrosine ligase like family; member 6; anti-TTL antibody

PRODUCT SPECIFICATIONS

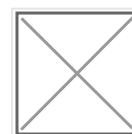
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TTL antibody detects endogenous levels of TTL.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	891
Applicable Applications for anti-TTL antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TTL.
Subcellular Location	Cytoskeleton
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (91%), Zebrafish (91%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of HeLa cells, using TTL antibody.



IHC (Immunohistochemistry)

AAA323002 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from mouse brain, using TTL antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TTL antibody	Function: Polyglutamylase which preferentially modifies alpha-tubulin. Mediates tubulin polyglutamylation in cilia. Involved in the side-chain elongation step of the polyglutamylation reaction rather than in the initiation step. Generates long side-chains. Generates polyglutamylation of CGAS, leading to impair the DNA-binding activity of CGAS. Subunit Structure: Found in a complex with CEP41. Similarity: The flexible c-MTBD (cationic microtubule binding domain) region mediates binding to microtubules. It is positively charged and becomes ordered when bound to microtubules: it interacts with a negatively charged patch on tubulin. The presence of positive charges in the c-MTBD region is essential for proper binding. Belongs to the tubulin--tyrosine ligase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	195963418
NCBI GeneID	284076
NCBI Accession #	NP_001124390.1
NCBI GenBank Nucleotide #	NM_001130918.1
UniProt Accession #	Q8N841; Q24KB1; Q24KB2; Q24KB6; Q24KF3; Q24KJ5; Q24KN7; Q24KS9; Q24KX1; Q24L13; B4DZJ5; C9J233
Molecular Weight	Observed: 43-45 kDa Predicted: 97 kDa
NCBI Official Full Name	tubulin polyglutamylase TTLL6 isoform 1
NCBI Official Synonym Full Names	tubulin tyrosine ligase like 6
NCBI Official Symbol	TTLL6
NCBI Official Synonym Symbols	TTL.6
NCBI Protein Information	tubulin polyglutamylase TTLL6
UniProt Protein Name	Tubulin polyglutamylase TTLL6
UniProt Gene Name	TTLL6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ttl-antibody-immunohistochemistry-western-blot-elisa/323002>