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TTLL13 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15991

Product Information

Application	WB
Primary Accession	A6NNM8
Other Accession	NM_001029964, NP_001025135
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	93645

Additional Information

Other Names	Tubulin polyglutamylase TTLL13, 6.-.-.-, Tubulin--tyrosine ligase-like protein 13, TTLL13 {ECO:0000312|Ensembl:ENSP00000345294}
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 &mu, l of distilled water. Final Anti- antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	TTLL13 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TTLL13 (HGNC:32484)
Synonyms	TTLL13P
Function	Polyglutamylase which modifies tubulin, generating polyglutamate side chains of variable lengths on the gamma-carboxyl group of specific glutamate residues within the C-terminal tail of tubulin (PubMed:40593606). Mediates ATP-dependent polyglutamate side- chain elongation of the polyglutamylation reaction but not the initiation step (By similarity). Preferentially modifies the alpha- tubulin tail over a beta-tail (By similarity). Mediates spindle-pole microtubule glutamylation in a CFAP100-dependent manner, a modification necessary for maintaining spindle-pole integrity and ensuring proper spindle assembly (PubMed:40593606).
Cellular Location	Cytoplasm, cytoskeleton, spindle pole. Note=Localizes to the spindle pole in a

CFAP100-dependent manner.

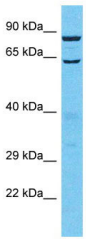
Background

Polyglutamylase which preferentially modifies alpha- tubulin. Involved in the side-chain elongation step of the polyglutamylation reaction rather than in the initiation step (By similarity).

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:671-675(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



Host: Rabbit
Target Name: TTLL13
Sample Tissue: 721_B Whole cell lysate
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Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.