

TTLL12 rabbit pAb

Catalog No :	YN8769
Reactivity :	Human;Mouse
Applications :	WB
Target :	TTLL12
Gene Name :	TTLL12 KIAA0153
Protein Name :	Tubulin--tyrosine ligase-like protein 12
Human Gene Id :	23170
Human Swiss Prot No :	Q14166
Mouse Gene Id :	223723
Mouse Swiss Prot No :	Q3UDE2
Immunogen :	Synthesized peptide derived from human TTLL12
Specificity :	This antibody detects endogenous levels of TTLL12 at Human, Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 71kD

Function : Negatively regulates post-translational modifications of tubulin, including detyrosination of the C-terminus and polyglutamylation of glutamate residues . Also, indirectly promotes histone H4 trimethylation at 'Lys-20' (H4K20me3) . Probably by controlling tubulin and/or histone H4 post-translational modifications, plays a role in mitosis and in maintaining chromosome number stability . During RNA virus-mediated infection, acts as a negative regulator of the DDX58/RIG-I pathway by preventing MAVS binding to TBK1 and IKKε .

Subcellular Location : Cytoplasm . Midbody . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, spindle . Nucleus . Predominantly localizes in the cytoplasm (PubMed:28011935). Partially colocalizes with vimentin in prostate cancer cells (PubMed:20162578). .

Expression : Expressed in the basal layer of prostate and endothelial cells. Increased expression in prostatic intraepithelial neoplasia and metastatic lesions.

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