

TTLL12 (13V7) Mouse Monoclonal antibody

TTLL12 (13V7) Mouse Monoclonal antibody Catalog # AP93880

Specification

TTLL12 (13V7) Mouse Monoclonal antibody - Product Information

Application
Primary Accession
Reactivity
Clonality
Calculated MW

WB
O14166
Rat, Human, Mouse
Monoclonal
74404

TTLL12 (13V7) Mouse Monoclonal antibody - Additional Information

Gene ID 23170

Other Names

Tubulin--tyrosine ligase-like protein 12, Inactive tubulin--tyrosine ligase-like protein 12, TTLL12, KIAA0153

Dilution WB~~1:1000

Storage Conditions

-20°C

TTLL12 (13V7) Mouse Monoclonal antibody - Protein Information

Name TTLL12

Synonyms KIAA0153

Function

Negatively regulates post-translational modifications of tubulin, including detyrosination of the C-terminus and polyglutamylation of glutamate residues (PubMed:20162578, PubMed:23251473). Also, indirectly promotes histone H4 trimethylation at 'Lys-20' (H4K20me3) (PubMed:23251473). Probably by controlling tubulin and/or histone H4 post-translational modifications, plays a role in mitosis and in maintaining chromosome number stability (PubMed:<a

 $href="http://www.uniprot.org/citations/20162578" target="_blank">20162578, PubMed:23251473). During RNA virus-mediated infection, acts as a negative regulator of the RIG-I pathway by preventing MAVS binding to TBK1 and IKBKE (PubMed:28011935).$

Cellular Location



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

Tissue Location

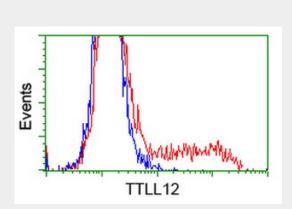
Expressed in the basal layer of prostate and endothelial cells. Increased expression in prostatic intraepithelial neoplasia and metastatic lesions.

TTLL12 (13V7) Mouse Monoclonal antibody - Protocols

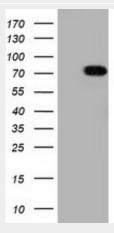
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

TTLL12 (13V7) Mouse Monoclonal antibody - Images



HEK293T cells transfected with either overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-TTLL12 antibody (AP93880), and then analyzed by flow cytometry.



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY





TTLL12 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TTLL12. Positive lysates (100ug) and (20ug) can be purchased separately from biodragon.