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TTLL12 (5S1) Mouse Monoclonal antibody

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Catalog # AP93879

Specification

TTLL12 (5S1) Mouse Monoclonal antibody - Product Information

Application	WB, IHC
Primary Accession	Q14166
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Calculated MW	74404

TTLL12 (5S1) 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

Storage Conditions
-20℃

TTLL12 (5S1) 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: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).

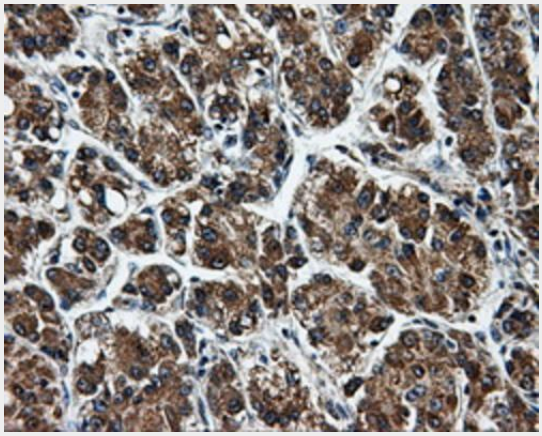
Tissue Location
Expressed in the basal layer of prostate and endothelial cells. Increased expression in prostatic intraepithelial neoplasia and metastatic lesions.

TTLL12 (5S1) Mouse Monoclonal antibody - Protocols

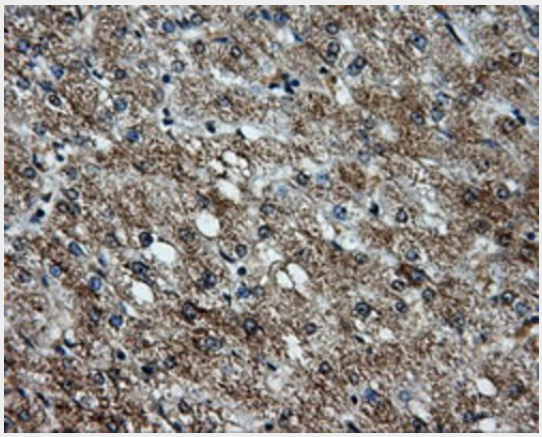
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TTLL12 (5S1) Mouse Monoclonal antibody - Images



Immunohistochemical staining of paraffin-embedded Carcinoma of liver tissue using anti-TTLL12mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, AP93879, Dilution 1:50)



Immunohistochemical staining of paraffin-embedded liver tissue within the normal limits using

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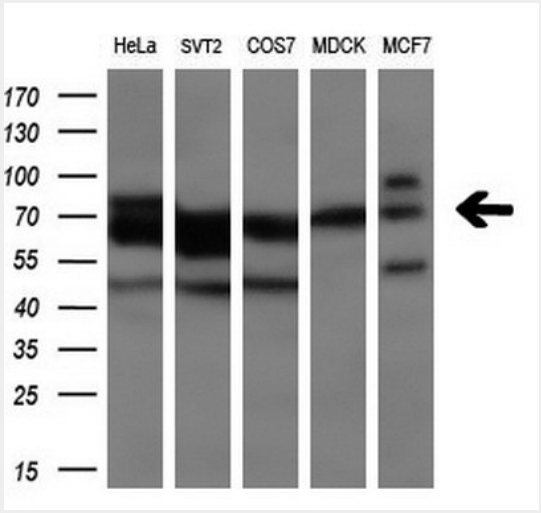
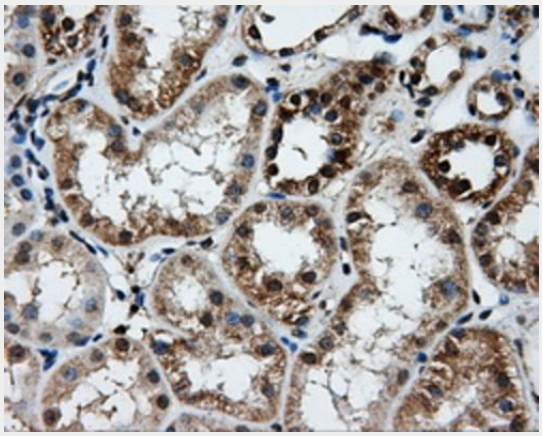
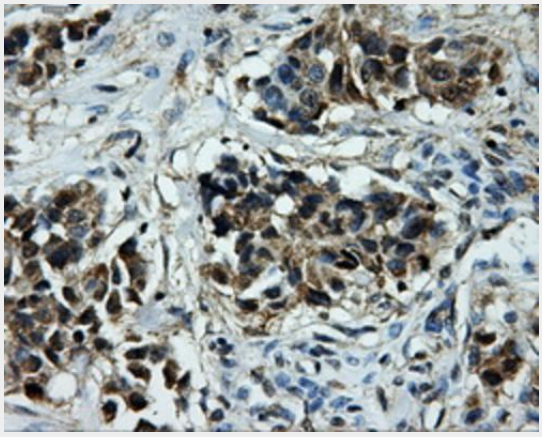
anti-TTLL12mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, AP93879, Dilution 1:50)



Western blot analysis of extracts (10ug) from 5 different cell lines by using anti-TTLL12 monoclonal antibody (1:200).



Immunohistochemical staining of paraffin-embedded Kidney tissue within the normal limits using anti-TTLL12mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, AP93879, Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of breast tissue using anti-TTLL12 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, AP93879, Dilution 1:50)

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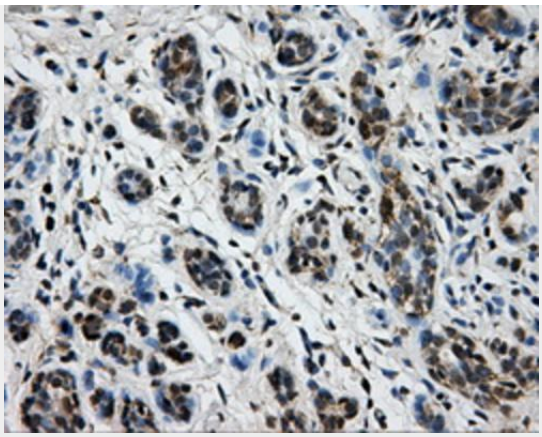
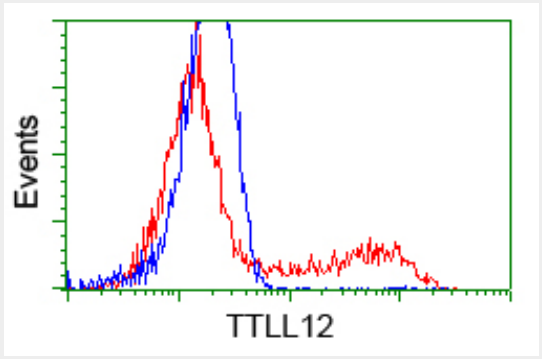


Immunohistochemical staining of paraffin-embedded breast tissue within the normal limits using anti-TTLL12 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, AP93879, Dilution 1:50)



HEK293T cells transfected with either pCMV6-ENTRY TTLL12 (Red) or empty vector control plasmid (Blue) were immunostained with anti-TTLL12 mouse monoclonal (AP93879), and then analyzed by flow cytometry.