Wilms Tumor 1 monoclonal antibody

Catalog: MB66035 Host: Mouse Reactivity: Human

BackGround:

Wilms' Tumor 1 (WT1) is a transcription factor named from Wilms' Tumor 1, an embryonal malignancy of the kidneys that is caused by mutations in the WT1 gene. It is highly important in development, particularly of the genitourinary system, and mutations and dysregulation of expression of WT1 result in a variety of syndromes affecting the genitourinal system and other tissues.

WT1 has a myriad of biological functions and a host of interacting partners and target genes. It can behave as a transcriptional activator, or a repressor, and can act as an oncogene or a tumor suppressor. It exerts influence over the epigenetic landscape, and also has post translational influence of gene expression through RNA interactions. The diverse biological roles of WT1 have been attributed to the existence of multiple isoforms and post translation modifications of the protein.

Product:

Mouse IgG1. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.

Molecular Weight:

~ 49 kDa

Swiss-Prot:

P19544

Purification&Purity:

The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB (1/500 - 1/1000), IHC (1/100 - 1/300)

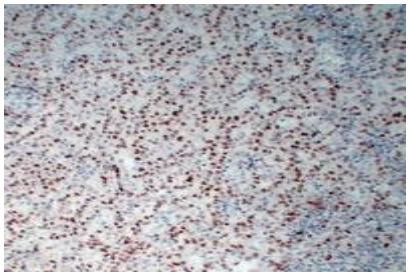
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

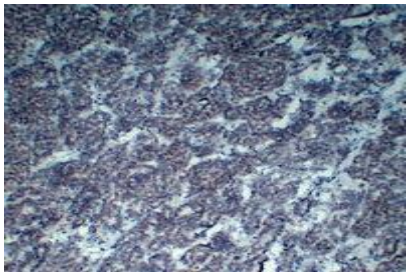
Specificity:

Recognizes endogenous levels of Wilms Tumor 1 protein.

DATA:



Immunohistochemical analysis of Wilms Tumor 1 staining in human mesothelioma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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Note:

For research use only, not for use in diagnostic procedure.

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