

PSMA monoclonal antibody

Catalog: MB66099

Host: Mouse

Reactivity: Human

BackGround:

Prostate specific membrane antigen (PSMA, also known as FOLH1), a type II transmembrane protein of the M28 family, has both folate hydrolase and N-acetylated-alpha-linked acidic dipeptidase activity. PSMA was originally identified in the LNCaP cell line, which was derived from a prostate adenocarcinoma lymph node metastasis. PSMA is an established prostate cancer marker; however, it is expressed in other tissues, including kidney, liver, and urinary bladder, and it is associated with tumor neovasculature as well. Research studies suggest that PSMA is both a potential diagnostic readout and therapeutic target.

Product:

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

Molecular Weight:

~ 84 kDa

Swiss-Prot:

Q04609

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)

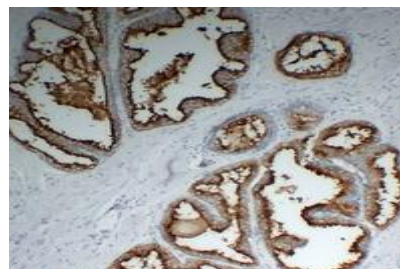
Storage&Stability:

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

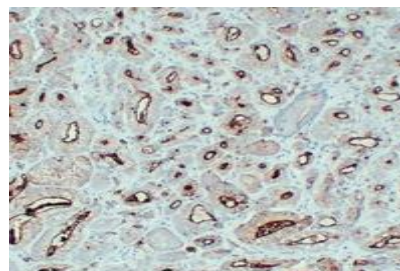
Specificity:

Recognizes endogenous levels of PSMA protein.

DATA:



Immunohistochemical analysis of PSMA staining in human prostate 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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