

BRAF monoclonal antibody

Catalog: MB21206

Host: Mouse

Reactivity: Human, Mouse

BackGround:

BRAF: v-raf murine sarcoma viral oncogene homolog B1, also known as BRAF1; RAFB1; B-RAF1; FLJ95109. Entrez Protein NP_004324. It is the main effectors recruited by GTP-bound Ras to activate the MEK-MAP kinase pathway. B-Raf contains three consensus Akt phosphorylation sites (Ser364, Ser428, and Thr439). B-Raf is a key regulatory molecule of the mitogen-activated protein kinase kinase (MEK), it has a long amino-terminal region, the region is essential for homo-dimerization of B-Raf and hetero-dimerization of B-Raf and c-Raf at the plasma membrane, followed by phosphorylation of Thr118 in the amino-terminal B-Raf-specific region. Notably, in calcium ionophore-stimulated HeLa cells, B-Raf could propagate signals to MEK under the basal level of GTP-Ras. Expression of Raf-B is highly restricted with highest levels in the cerebrum and testes and defects in braf are involved in a wide range of cancers. The BRAF gene mutation is frequently detected in papillary thyroid carcinoma, melanocytic nevi, primary cutaneous melanomas and colorectal cancers.

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

87kDa

Swiss-Prot:

P15056

Purification&Purity:

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

Applications:

WB: 1/500 - 1/2000 IHC: 1/200 - 1/1000 IF: 1/200 - 1/1000

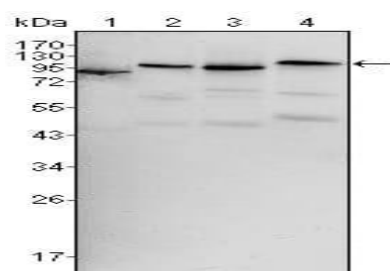
Storage&Stability:

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

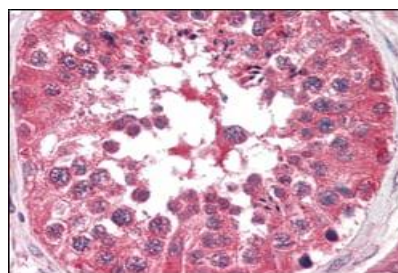
Isotype:

Mouse IgG1

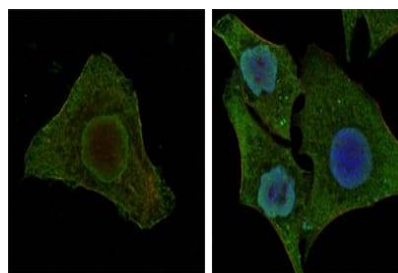
DATA:



Western blot analysis using BRAF mouse mAb against HeLa (1), HL60 (2), HepG2 (3) and NIH/3T3 (4) cell lysate.



Immunohistochemical analysis of paraffin-embedded human testis tissues using BRAF mouse mAb.



Confocal Immunofluorescence analysis of MCF-7 (left) and HepG2 (right) cells using BRAF mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye

Note:

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

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