BRAF Mouse Monoclonal Antibody

E10-20108

Background: BRAF(V-raf murine sarcoma viral oncogene homolog B1) is the main effectors recruited by GTP-bound Ras to activate the MEK-MAP kinase pathway. B-Raf contains three consensus Akt phosphorylationsites (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 highestlevels 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.

Catalog Number: E10-20108

Amount: 100μg/100μl

Clone Number: 1H12F1, 1H12G10,1F12F11C9

Species: Mouse IgG1

Aliases: BRAF

Entrez Gene: 673

Immunogen: Purified recombinant fragment of BRAF expressed in E. Coli.

Storage: Store at 4℃, for long term storage, store at -20℃

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, IHC , ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000, IHC.1/200 - 1/1000, ELISA. Propose dilution 1/10000.

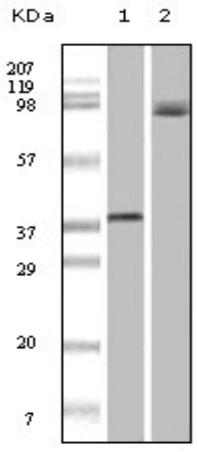

Figure 1. Western blot analysis using BRAF mouse mAb against truncated recombinant Braf (1) and A431 cell lysate (2).

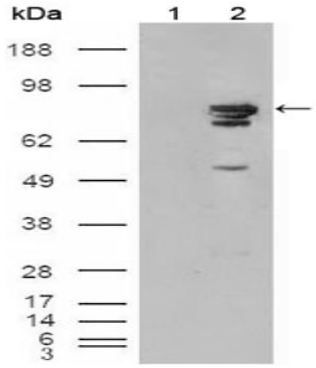

Figure 2. Western blot analysis using BRAF mouse mAb against HEK293T cells transfected with the pCMV6-ENTRY control (1) and pCMV6-ENTRY Braf cDNA (2).

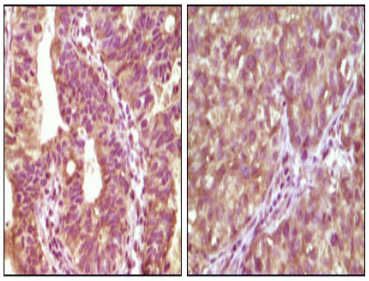

Figure 3. Immunohistochemical analysis of paraffin-embedded human bladder carcinoma tissue(left) and lung carcinoma tissue (right) showing cytoplasmic localization using BRAF mouse mAb with DAB staining.

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