

BRAF (1H12) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252864

Unit: 0.1 ml

Description:

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 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.

Isotype: Mouse IgG1

Applications: E, IF, IHC, WB

Species Reactivity: H, M

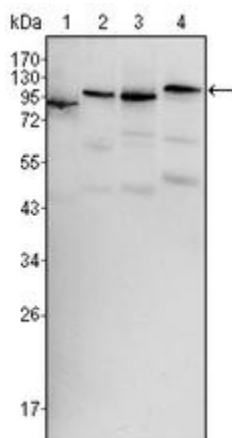
Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

Alternate Names: RAF proto-oncogene serine/threonine-protein kinase; Proto-oncogene c-RAF; cRaf; Raf-1; Raf

Accession No.: P11345

Antigen: Purified recombinant fragment of human BRAF expressed in *E. coli*.

Application Notes: E: 1:10000; WB: 1:500-1:2000; IHC: 1:200-1:1000; IF: 1:200-1:1000



Western blot analysis using BRAF (1H12) Antibody (Cat. No. 252864) against HeLa (1), HL60 (2), HepG2 (3) and NIH/3T3 (4) cell lysates.

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.