

BRAF Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2288
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human BRAF expressed in E. Coli.
Mol wt	87kDa
Species reactivity	Human,Mouse
Clonality	Monoclonal
Recommended application	WB,IHC,ICC
Concentration	N/A
Full name	N/A
Synonyms	BRAF1;RAFB1;B-RAF1;FLJ95109

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 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.

Recommended Dilution

WB: 1:500 - 1:2000

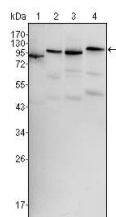
IHC-p: 1:200 - 1:1000

ICC: 1:200 - 1:1000

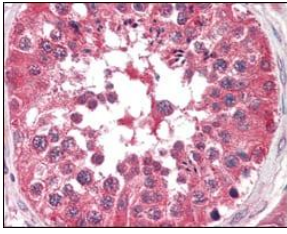
ELISA: 1:10000

Not yet tested in other applications.

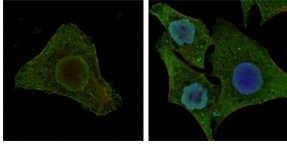
Images



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com