

BRAF Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3896
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of BRAF expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC
Concentration	N/A
Full name	N/A
Synonyms	BRAF

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) 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

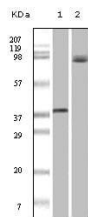
WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

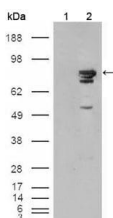
ELISA: 1:10000

Not yet tested in other applications.

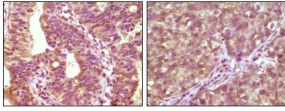
Images



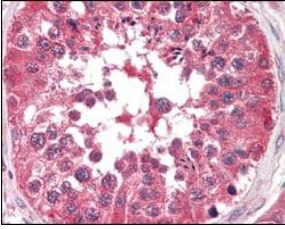
Western blot analysis using BRAF mouse mAb against truncated recombinant Braf (1) and A431 cell lysate (2).



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



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.



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

Storage

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

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