

BRAF Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4697
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human BRAF (AA: 299-447) expressed in HEK293-6e.
Mol wt	84.4kda
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	NS7;B-raf;BRAF1;RAFB1;B-RAF1

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

Background

This gene encodes a protein belonging to the RAF family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERK signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene, most commonly the V600E mutation, are the most frequently identified cancer-causing mutations in melanoma, and have been identified in various other cancers as well, including non-Hodgkin lymphoma, colorectal cancer, thyroid carcinoma, non-small cell lung carcinoma, hairy cell leukemia and adenocarcinoma of lung. Mutations in this gene are also associated with cardiofaciocutaneous, Noonan, and Costello syndromes, which exhibit overlapping phenotypes. A pseudogene of this gene has been identified on the X chromosome. [provided by RefSeq, Aug 2017]

Recommended Dilution

WB: 1:500 - 1:2000

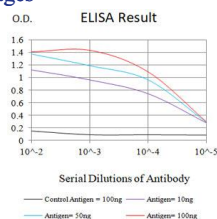
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

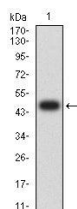
ELISA: 1:10000

Not yet tested in other applications.

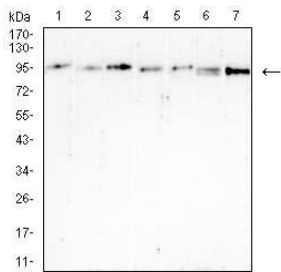
Images



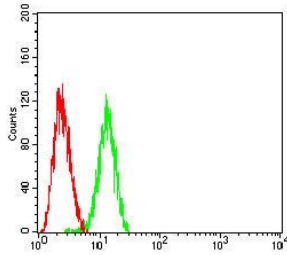
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



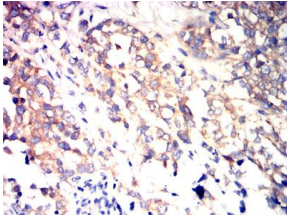
Western blot analysis using BRAF mAb against human BRAF (AA: 299-447) recombinant protein. (Expected MW is 46kDa)



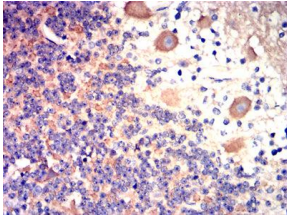
Western blot analysis using BRAF mouse mAb against HeLa (1), HT-29 (2), MOLT4 (3) T47D (4) HePG2 (5) HL-60 (6) and PC-12 (7) cell lysate.



Flow cytometric analysis of BEL-7402 cells using BRAF mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using BRAF mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded cerebellar tissues using BRAF mouse mAb with DAB staining.

Storage

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

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