

Product Name: BRAF Mouse Monoclonal Antibody**Catalog #: AMM82702**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	84.4kda

Antigen Information

Gene Name	BRAF
Alternative Names	NS7; B-raf; BRAF1; RAFB1; B-RAF1
Gene ID	673.0
SwissProt ID	P15056
Immunogen	Purified recombinant fragment of human BRAF (AA: 299-447) expressed in HEK293-6e.

Background

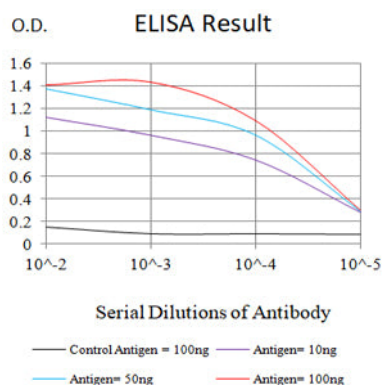
This gene encodes a protein belonging to the RAF family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERK signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene, most commonly the V600E mutation, are the most 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]

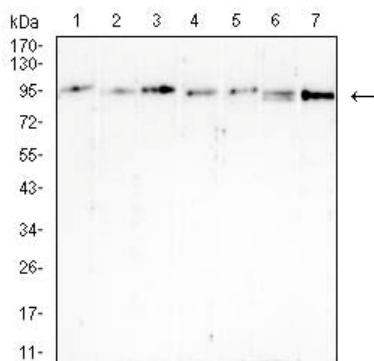
Research Area

MAPK signaling pathway

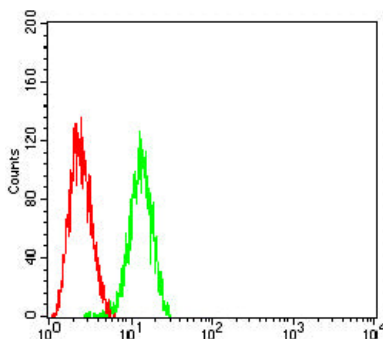
Image Data



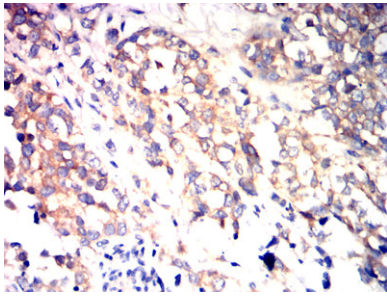
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



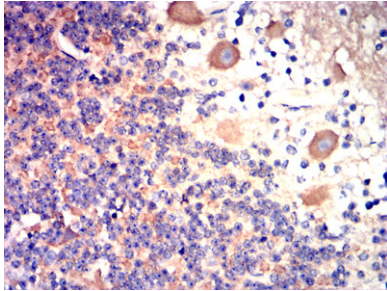
Western blot analysis using BRAF mouse mAb against Hela (1), HT-29 (2), MOLT4 (3) T47D (4) HePG2 (5) HL-60 (6) and PC-12 (7) cell lysate.



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



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



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