Product Name: **BRAF Mouse Monoclonal Antibody**
Catalog #: **AMM82703**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA,FC
Reactivity	Human, Mouse, Monkey
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

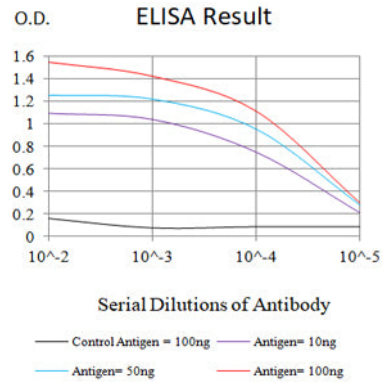
This gene encodes a protein belonging to the RAF family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERK signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene, most commonly the V600E mutation, are the most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

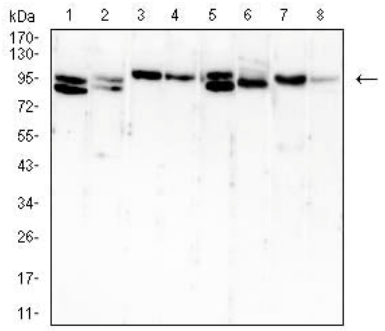
Research Area

MAPK signaling pathway

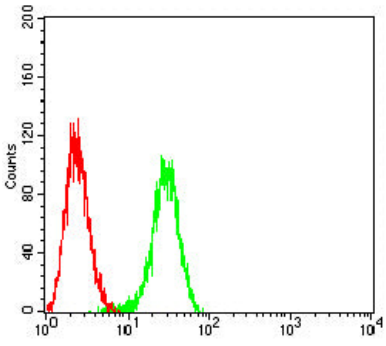
Image Data



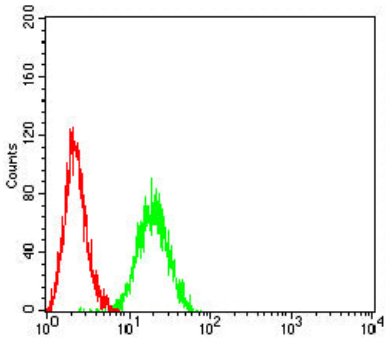
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



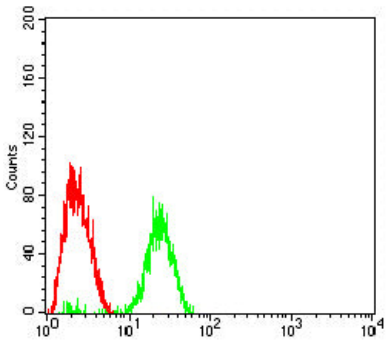
Western blot analysis using BRAF mouse mAb against Hela (1), HT-29 (2), MOLT4 (3), T47D (4), HePG2 (5), NIH/3T3 (6), PC-12 (7), and COS-7 (8) cell lysate.



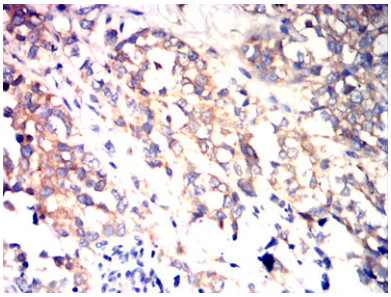
Flow cytometric analysis of BEL-7402 cells using BRAF mouse mAb (green) and negative control (red).



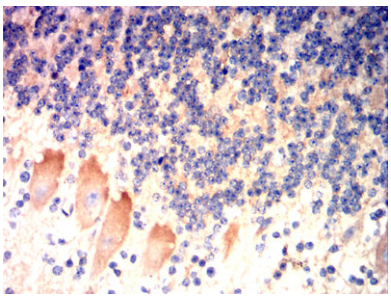
Flow cytometric analysis of Hela cells using BRAF mouse mAb (green) and negative control (red).



Flow cytometric analysis of HepG2 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.