

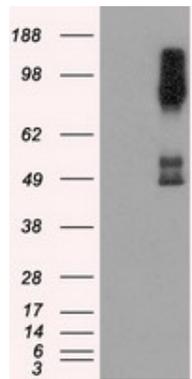
Name: anti-BRAF mouse monoclonal antibody, clone 1D4
Product Data Sheet - TRUEMAB**Catalog: TA500852**

Components:	<ul style="list-style-type: none">• anti-BRAF mouse monoclonal antibody, clone 1D4 (TA500852)• 1 vial of 20ug myc-DDK tagged BRAF HEK293T over-expression lysate lyophilized in RIPA buffer (LC401382). (Reconstitute into 20ul of 1x SDS sample buffer before loading)
Amount:	100ul
Immunogen:	Full length human recombinant protein of human BRAF (NP_004324) produced in HEK293T cell.
Host:	Mouse
Isotype:	IgG1
Species Reactivity:	Human
Guaranteed Applications:	WB, IHC, IF, FC
Suggested Dilutions:	WB 1:2000, IHC 1:50, IF 1:100, Flow 1:100
Concentration:	0.64 mg/ml
Buffer:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Purification:	Purified from mouse ascites fluids by affinity chromatography
Storage Condition:	Shipped at -20C. Upon delivery store at -20C. Dilute in PBS (pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

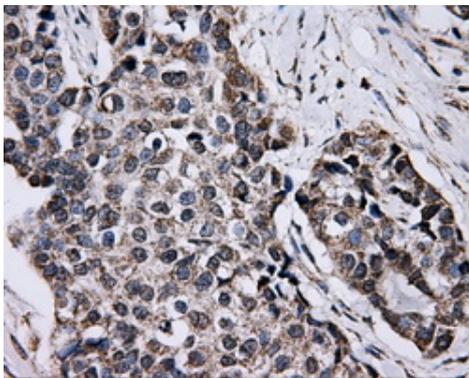
Target

Target Name:	Homo sapiens v-raf murine sarcoma viral oncogene homolog B (BRAF)
Alternative Name:	B-RAF1; BRAF1; NS7; RAFB1
Database Link:	NP_004324
Function:	This gene encodes a protein belonging to the raf/mil family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene are associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. Mutations in this gene have also been associated with various cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cell lung carcinoma, and adenocarcinoma of lung. A pseudogene, which is located on chromosome X, has been identified for this gene.

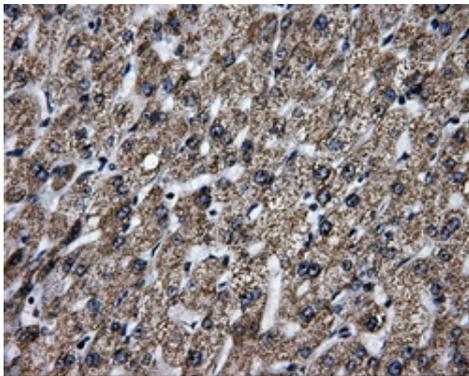
Validation Data



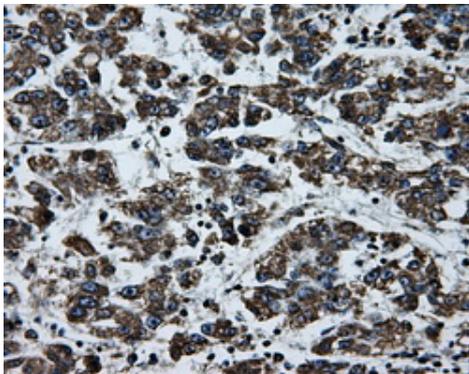
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BRAF (RC211013, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BRAF.



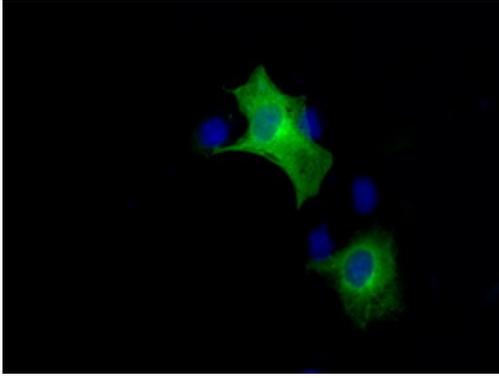
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of breast tissue using anti-BRAF mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA500852, Dilution 1:50)



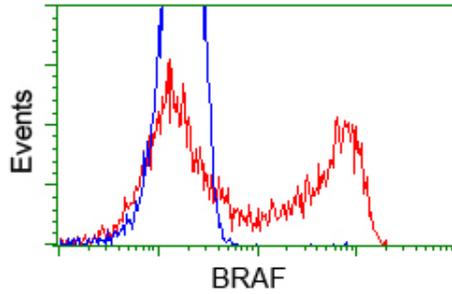
Immunohistochemical staining of paraffin-embedded liver tissue using anti-BRAF mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA500852, Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Carcinoma of liver tissue using anti-BRAF mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA500852, Dilution 1:50)



Anti-BRAF mouse monoclonal antibody (TA500852)
immunofluorescent staining of COS7 cells transiently transfected
by pCMV6-ENTRY BRAF(RC211013).



HEK293T cells transfected with either pCMV6-ENTRY
BRAF(RC211013)(Red) or empty vector control plasmid(Blue)
were immunostained with anti-BRAF mouse
monoclonal(TA500852), and then analyzed by flow cytometry.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.



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