

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

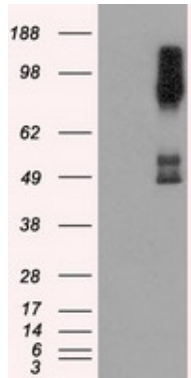
<b>Components:</b>	<ul style="list-style-type: none"><li>• anti-BRAF mouse monoclonal antibody, clone 1D4 (TA500852)</li><li>• 1 vial of 20ug myc-DDK tagged BRAF HEK293T over-expression lysate lyophilized in RIPA buffer (LC401382). (Reconstitute into 20ul of 1x SDS sample buffer before loading)</li>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

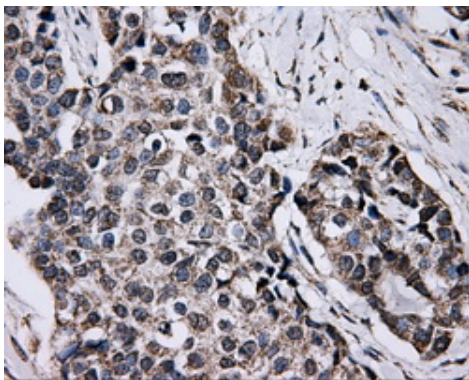
<b>Target Name:</b>	Homo sapiens v-raf murine sarcoma viral oncogene homolog B (BRAF)
<b>Alternative Name:</b>	B-RAF1; BRAF1; NS7; RAFB1
<b>Database Link:</b>	NP_004324
<b>Function:</b>	This gene encodes a protein belonging to the raf/mil family of serine/threonine protein kinases. This protein plays 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

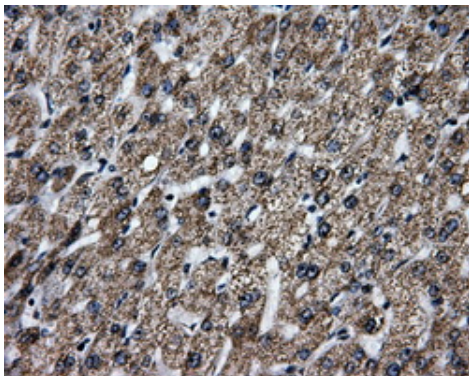
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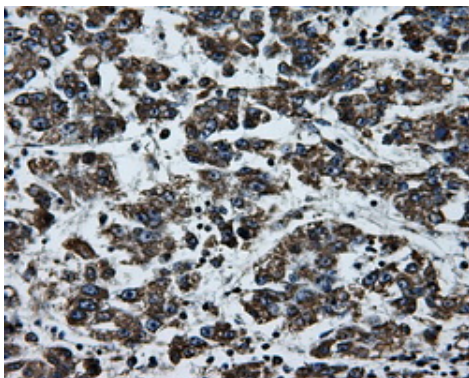
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BRAF (RC211013, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BRAF.



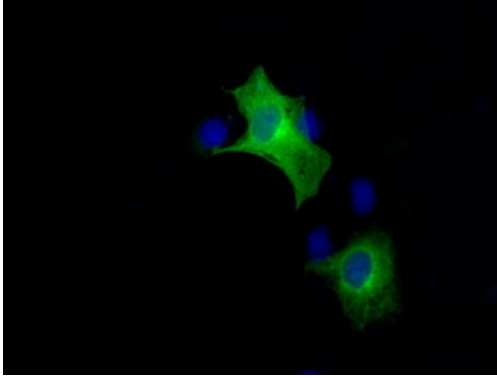
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of breast tissue using anti-BRAF mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA500852, Dilution 1:50)



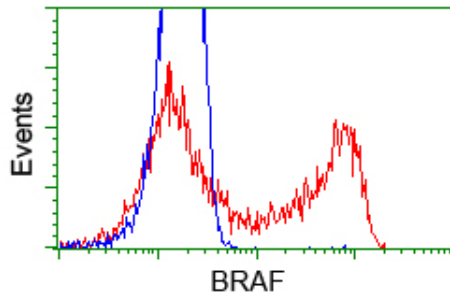
Immunohistochemical staining of paraffin-embedded liver tissue using anti-BRAF mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA500852, Dilution 1:50)



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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