

Basic Information

Product Name	Anti-BRAF Antibody (Clone#OT15A9)	
Gene Name	BRAF	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG1	
Species Reactivity	human, monkey, mouse, rat	
Tested Application	FCM, IF, IHC, IP, WB	
Contents	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.	
Immunogen	Full length human recombinant protein of human BRAF (NP_004324) produced in HEK293T cell.	
Concentration	500 ug/ml	
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)	
Observed MW	85 kDa	
Dilution Ratios	Western blot (WB):	1:1000~2000
	Immunohistochemistry (IHC):	1:200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:100
	Flow cytometry (FCM):	1:100

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

Background Information

BRAF (v-raf murine sarcoma viral oncogene homolog B1) is a human gene that makes a protein called B-Raf. It is a member of the Raf kinase family of growth signal transduction protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. It is mapped to 7q34. Mutations in this gene are associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. The BRAF protein is also involved in sending signals inside cells, which are involved in directing cell growth.

Selected Validation Data

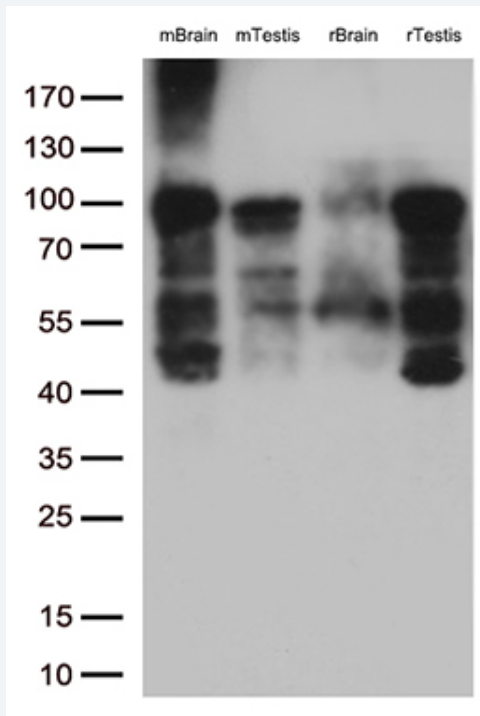


Figure 1. Western blot analysis of extracts (35ug) from 4 tissue lysates by using anti-BRAF monoclonal antibody (1:500).

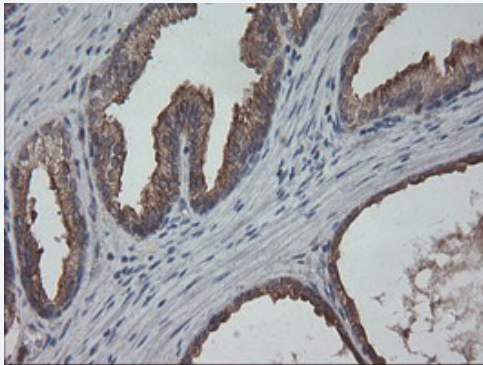


Figure 5. Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-BRAF mouse monoclonal antibody. (M00075-3)

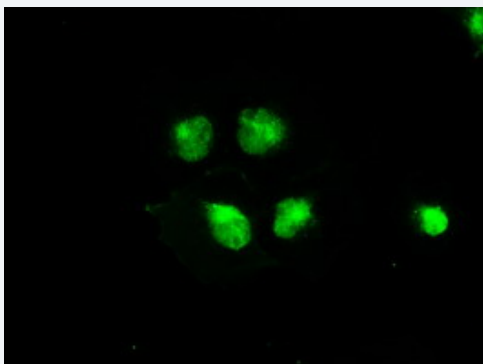


Figure 12. Anti-BRAF mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BRAF .

Product datasheet

Anti-BRAF Antibody (Clone#OTI5A9)

Catalog Number: **M00075-3**

BOSTER

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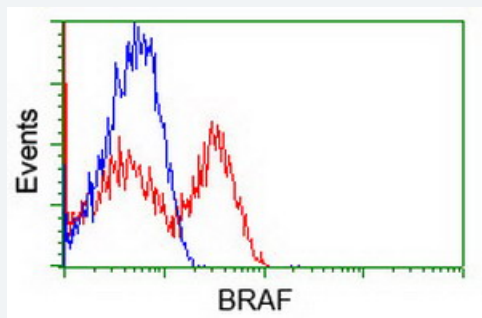


Figure 13. HEK293T cells transfected with either overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-BRAF antibody, and then analyzed by flow cytometry.