

BRAF(V600D)

Catalog Number: 26184

Gene Symbol: BRAF, BRAF1, RAFB1

Description: Anti-BRAF(V600D) Mouse Monoclonal Antibody

Background: B-Raf is a member of the Raf family of Ser/Thr protein kinases. It functions downstream of Ras to regulate the MAP kinase signaling pathway. Mutations in the BRAF gene cause diseases. Inherited mutations in BRAF cause cardiofaciocutaneous syndrome. Acquired mutations in BRAF have been found in cancers.

Immunogen: A synthetic peptide from the internal region of BRAF which includes the mutation of V600D, human origin.

Tested applications: ELISA, WB, IF, IHC

Recommended Dilutions:

ELISA:	1:1000-1:5000
WB:	1:500-1:1000
IF:	1:100-1:200
IHC:	1:100-1:200

Concentration: 0.5 mg/ml

Host: Mouse

Clonality: Monoclonal

Isotype: IgG

Purity: Purified from ascites

Format: Liquid

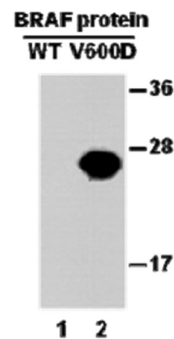
Preservative: No

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Recognizes V600D mutant, but not wild-type BRAF of vertebrates.

Storage Conditions: Store at -20°C. Avoid freeze / thaw cycles.

Western blot:



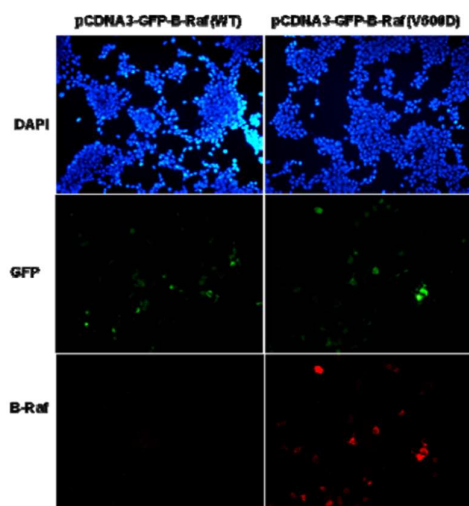
WB: Anti-B-Raf (V600D) mAb

Western blot analysis of recombinant B-RAF proteins.

Purified His-tagged B-Raf (V600D) protein (amino acids 513-693, lane 2) and corresponding wild type protein (lane 1) were blotted with anti-B-Raf (V600D) monoclonal antibody (Cat. # 26184).

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Immunofluorescence:



Immunofluorescence of cells expressing B-Raf proteins with anti-B-Raf (V600D) antibody.

HEK293T cells were transfected with pCDNA3-GFP B-Raf (WT) plasmid (left column) or pCDNA3-GFP-B-Raf (V600D) plasmid (right column), then fixed and stained with anti-B-Raf (V600D) monoclonal antibody (Cat. # 26184).

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