

B-Raf (V600D)

Catalog Number: 26184

Gene Symbol: BRAF, BRAF1, RAFB1

Description: Anti-B-Raf (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 B-Raf (V600D), human origin.

Tested applications: ELISA, WB, IF, IHC

Recommended dilutions:

ELISA 1:1000-1:5000

WB 1:500-1:2000

IHC 1:100-1:200

Concentration: 0.5 mg/ml

Host: Mouse

Clonality: Monoclonal

Isotype: IgG

Purity: Purified from ascites

Format: Liquid

Storage buffer:

Preservative: no

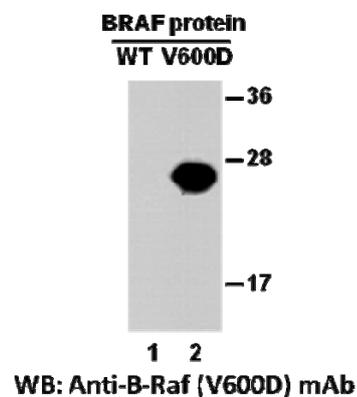
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH

7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Recognizes V600D mutated, but not wild-type B-Raf proteins from vertebrates.

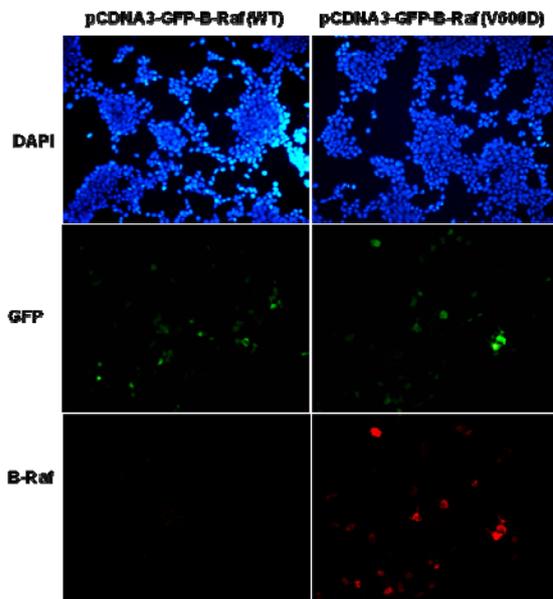
Storage Conditions: Store at -20°C. Avoid freeze / thaw cycles.

Western blot:



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).

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).