

BRaf(N581S)

Catalog Number: 26109

Gene Symbol: BRAF, BRAF1, RAFB1

Description: Anti-BRaf (N581S) 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(N581S), human origin.

Tested Applications: ELISA, WB, IF, IHC

Recommended Dilutions:

ELISA: 1:1000-1:5000

WB: 1:1000-1:5000

IHC: 1:50-1:200

Concentration: 1 mg/ml

Host: Mouse

Clonality: Monoclonal

Isotype: IgG

Purity: Purified from ascites

Format: Liquid

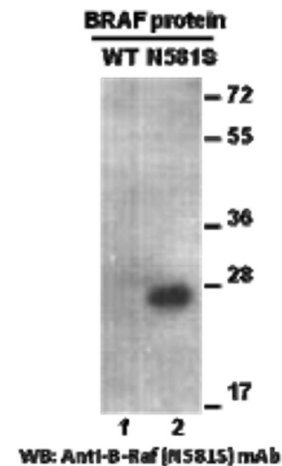
Preservative: No

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

Species Reactivity: Recognizes N581S mutated, but not wild-type B-Raf proteins from vertebrates.

Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing

Western blot:

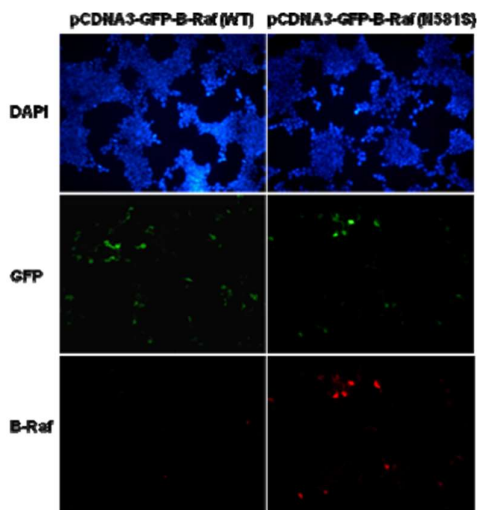


Western blot analysis of recombinant B-raf proteins.

Purified His-tagged BRaf (N581S) protein (amino acids 513-693, lane 2) and corresponding wild type protein (lane 1) were blotted with anti-B-Raf (N581S) monoclonal antibody (Cat. # 26109).

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Immunofluorescence:



Immunofluorescence of cells expressing B-Raf proteins with anti-B-Raf (N581S) antibody.

HEK293T cells were transfected with pCDNA3-GFP-B-Raf (WT) plasmid (left column) or pCDNA3-GFP-B-Raf (N581S) plasmid (right column), then fixed and stained with anti-B-Raf (N581S) monoclonal antibody (Cat. # 26109).

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