

Product Datasheet

B Raf Antibody

Catalog No: CY5319

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC IP FC



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Information

UniProt ID: P15056

All Names: B-RAF; p94; NS7; B-Raf proto-oncogene serine/threonine-protein kinase; BRAF; BRAF1; RMIL; RMIL serine/threonine-protein kinase; c-RMIL; kinase B-Raf;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 85 kDa

Application

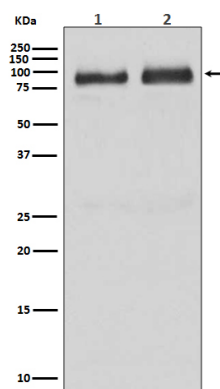
WB: 1:500~1:2000

IHC: 1:50~1:200

IP: 1:50

Background

B-Raf is a tyrosine kinase-like kinase of the RAF family. Involved in the transduction of mitogenic signals from the cell membrane to the nucleus. May play a role in the postsynaptic responses of hippocampal neuron. Frequently mutated in thyroid cancers, skin melanomas and at lower frequency in a wide range of human cancers. An activating mutation, mimicking phosphorylation of the activation loop, is seen in 60% of malignant melanoma samples. Raf mutations are generally exclusive to Ras activating mutations. Activating mutations are also seen in ~10% of colorectal cancers, in lung cancers and gliomas, and at a lower rate in several other tumors. Inactivating mutations are also seen and may result in activation of c-Raf and Erk. Mutations in B-Raf, MEK1 and MEK2 also associated with cardiofaciocutaneous syndrome, displaying morphological, cardiac and mental defects. Approved Inhibitor: Nexavar/Sorafenib.



Western blot analysis of B-Raf expression in (1) Human brain lysate (2) HepG2 cell lysate.

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