

B-Raf Mouse Monoclonal Antibody

Catalog #: EAB21501

| Host/Isotype | Clonality | Applications | MW (kDa) | Reactivity |
|--------------|------------|--------------------------|----------|-------------------|
| Mouse IgG1 | Monoclonal | WB, IHC-P, IF/ICC, ELISA | 84 | Human, Mouse, Rat |

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| WB (Western Blotting) | 1:500-2000 |
| IHC-P (Immunohistochemistry-Paraffin) | 1:100-500 |
| IF/ICC (Immunofluorescence/Immunocytochemistry) | 1:100-500 |
| ELISA (Enzyme-linked Immunosorbent Assay) | 1:5000-20000 |

Product Information

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|-----------------------|--|
| Conjugate | Unconjugate |
| Specificity | B-Raf Mouse Monoclonal Antibody detects endogenous levels of B-Raf protein. |
| Purification | Affinity purification |
| Concentration | 1mg/ml |
| Format | Liquid |
| Formulation | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol |
| Shipping | Gel Pack |
| Storage | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks |
| UniProt ID | P15056 |
| Entrez-Gene Id | 673 |

Product Description

This gene encodes a protein belonging to the RAF family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERK signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene, most commonly the V600E mutation, are the most frequently identified cancer-causing mutations in melanoma, and have been identified in various other cancers as well, including non-Hodgkin lymphoma, colorectal cancer, thyroid carcinoma, non-small cell lung carcinoma, hairy cell leukemia and adenocarcinoma of lung. Mutations in this gene are also associated with cardiofaciocutaneous, Noonan, and Costello syndromes, which exhibit overlapping phenotypes. A pseudogene of this gene has been identified on the X chromosome.

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