

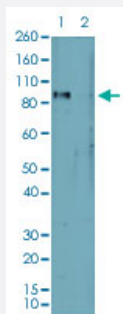
RecomAb™

## BRAF V600E monoclonal antibody, clone RM8

Catalog # MAB16911

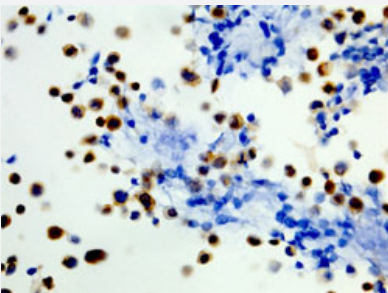
Size 100 ug

### Applications



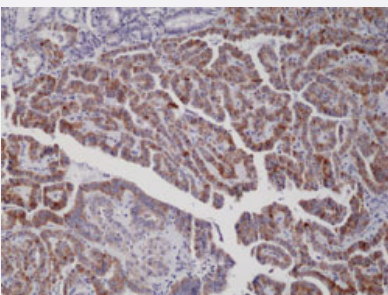
#### Western Blot

Western Blot analysis of (1) cell lysates expressing endogenous mutant (V600E) BRAF, (2) wild type (WT) protein.



#### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human WiDr cell line.



#### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human thyroid carcinoma.

### Specification

#### Product Description

Rabbit recombinant monoclonal antibody raised against human BRAF (V600E mutant).

|                     |                                                                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antibody Species    | Rabbit                                                                                                                                                                                                                                       |
| Immunogen           | Original antibody is raised against a synthetic peptide corresponding to human BRAF V600E mutant .                                                                                                                                           |
| Reactivity          | Human                                                                                                                                                                                                                                        |
| Specificity         | This antibody reacts to the BRAF V600E mutant. No cross reactivity with wild type BRAF.                                                                                                                                                      |
| Form                | Liquid                                                                                                                                                                                                                                       |
| Purification        | Protein A purification                                                                                                                                                                                                                       |
| Isotype             | IgG                                                                                                                                                                                                                                          |
| Recommend Usage     | Immunocytochemistry (2 ug/mL-10 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5 ug/mL-5 ug/mL)<br>Western Blot (0.5 ug/mL-2 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)                                                                                                                                                                                            |
| Storage Instruction | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                           |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                                       |

## Applications

- Western Blot

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Immunohistochemical staining of human WiDr cell line.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human thyroid carcinoma.

## Gene Info — BRAF

Entrez GeneID [673](#)

Gene Name BRAF

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Alias         | B-RAF1, BRAF1, FLJ95109, MGC126806, MGC138284, RAFB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Description   | v-raf murine sarcoma viral oncogene homolog B1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Omim ID            | <a href="#">115150</a> <a href="#">164757</a> <a href="#">211980</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Gene Summary       | This gene encodes a protein belonging to the raf/mil family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene are associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. Mutations in this gene have also been associated with various cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cell lung carcinoma, and adenocarcinoma of lung. A pseudogene, which is located on chromosome X, has been identified for this gene. [provided by RefSeq] |
| Other Designations | 94 kDa B-raf protein B-Raf proto-oncogene serine/threonine-protein kinase (p94) Murine sarcoma viral (v-raf) oncogene homolog B1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Publication Reference

- [Nodal histiocytic sarcoma with prominent eosinophilic infiltration: expression of eotaxin-2 on tumor cells.](#)

Rintaro Ohe, Takanobu Kabasawa, Aya Utsunomiya, Yuka Urano, Takumi Kitaoka, Kazushi Suzuki, Naing Ye Aung, Ichiro Kawamura, Katsushi Tajima, Tomoharu Ishiyama, Mitsunori Yamakawa.

Diagnostic Pathology 2021 Jan; 16(1):6.

Application: IHC-P, Human, Human nodal histiocytic sarcoma

## Pathway

- [Acute myeloid leukemia](#)
- [Bladder cancer](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Focal adhesion](#)

- [Glioma](#)
- [Insulin signaling pathway](#)
- [Long-term depression](#)
- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)
- [mTOR signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
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