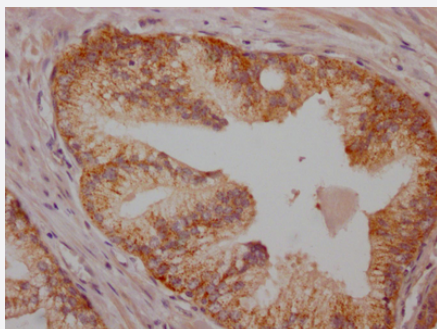


RecomAb™

BRAF recombinant monoclonal antibody, clone 6G3

Catalog # RAB04161 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of BRAF recombinant monoclonal antibody, clone 6G3 diluted at 1:100 and staining in paraffin-embedded human prostate cancer performed on a Leica Bond™ system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human BRAF.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human BRAF.
Reactivity	Human
Form	Liquid
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20°C or -80°C. 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

- Immunohistochemistry

Immunohistochemistry image of BRAF recombinant monoclonal antibody, clone 6G3 diluted at 1:100 and staining in paraffin-embedded human prostate cancer performed on a Leica BondTM system.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — BRAF

Entrez GeneID [673](#)

Protein Accession# [P15056](#)

Gene Name BRAF

Gene Alias B-RAF1, BRAF1, FLJ95109, MGC126806, MGC138284, RAFB1

Gene Description v-raf murine sarcoma viral oncogene homolog B1

Omim ID [115150 164757 211980](#)

Gene Ontology [Hyperlink](#)

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

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](#)
- [Thyroid cancer](#)
- [Vascular smooth muscle contraction](#)

- [Abnormalities](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adrenal Cortex Neoplasms](#)
- [Alcoholism](#)
- [Articulation Disorders](#)
- [Astrocytoma](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cell Transformation](#)
- [Chromosomal Instability](#)
- [Chromosome Aberrations](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Colorectal Neoplasms](#)
- [Common Bile Duct Neoplasms](#)
- [Craniofacial Abnormalities](#)
- [Cystadenocarcinoma](#)
- [Cystadenoma](#)
- [Developmental Disabilities](#)
- [Dilatation](#)

- [Disease Progression](#)
- [Diseases in Twins](#)
- [Dyslexia](#)
- [Ectodermal Dysplasia](#)
- [Endometrial Hyperplasia](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Eosinophilia](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Goiter](#)
- [Hashimoto Disease](#)
- [Head and Neck Neoplasms](#)
- [Hearing](#)
- [Heart Defects](#)
- [Hyperpigmentation](#)
- [Hyperplasia](#)
- [Immunologic Deficiency Syndromes](#)
- [Language Disorders](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Malignant melanoma](#)

- [Melanoma](#)
- [Memory](#)
- [Microsatellite Instability](#)
- [Motor Skills](#)
- [Nasopharyngeal Neoplasms](#)
- [Necrosis](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Nerve Sheath Neoplasms](#)
- [Neurofibromatosis](#)
- [Neurofibromatosis 1](#)
- [Nevus](#)
- [Noonan Syndrome](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Precancerous Conditions](#)
- [Prostatic Neoplasms](#)
- [Ras oncogene](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)

- [Salivary Gland Neoplasms](#)
- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Syndrome](#)
- [Testicular Neoplasms](#)
- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)
- [Thyroid Nodule](#)
- [Thyroiditis](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)