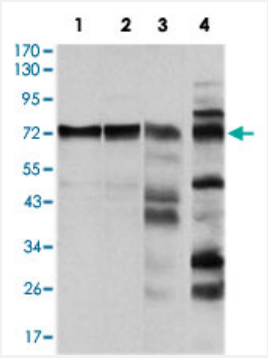
RAF1 monoclonal antibody, clone 4G4

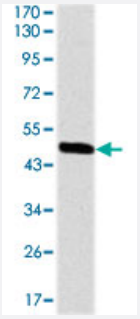
Catalog # MAB10310 Size 100 ug

Applications



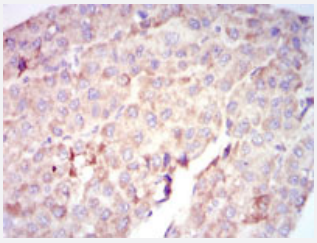
Western Blot (Cell lysate)

Western blot analysis using RAF1 monoclonal antobody, clone 4G4 (Cat # MAB10310) against HeLa (1), A-431 (2), COS-7 (3) and C6 (4) cell lysate.



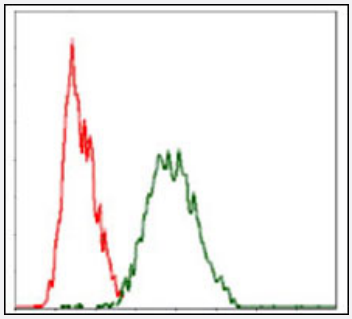
Western Blot (Recombinant protein)

Western blot analysis using RAF1 monoclonal antobody, clone 4G4 (Cat # MAB10310) against recombinant human RAF1 protein.



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

Immunohistochemical analysis of paraffin-embedded human liver carcinoma tissue using RAF1 monoclonal antobody, clone 4G4 (Cat # MAB10310) with DAB staining.



Flow Cytometry

Flow cytometric analysis of HeLa cells using RAF1 monoclonal antobody, clone 4G4 (Cat # MAB10310) (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant RAF1.
Immunogen	Recombinant protein corresponding to human RAF1.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis using RAF1 monoclonal antobody, clone 4G4 (Cat # MAB10310) against HeLa (1), A-431 (2), COS-7 (3) and C6 (4) cell lysate.

- Western Blot (Recombinant protein)

  Western blot analysis using RAF1 monoclonal antobody, clone 4G4 (Cat # MAB10310) against recombinant human RAF1 protein.

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

  Immunohistochemical analysis of paraffin-embedded human liver carcinoma tissue using RAF1 monoclonal antobody, clone 4G4 (Cat # MAB10310) with DAB staining.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

  Flow cytometric analysis of HeLa cells using RAF1 monoclonal antobody, clone 4G4 (Cat # MAB10310) (green) and negative control (red).

Gene Info — RAF1

Entrez GeneID	5894
Gene Name	RAF1
Gene Alias	CRAF, NS5, Raf-1, c-Raf
Gene Description	v-raf-1 murine leukemia viral oncogene homolog 1
Omim ID	164760 611553 611554
Gene Ontology	Hyperlink
Gene Summary	This gene is the cellular homolog of viral raf gene (v-raf). The encoded protein is a MAP kinase ki nase kinase (MAP3K), which functions downstream of the Ras family of membrane associated G TPases to which it binds directly. Once activated, the cellular RAF1 protein can phosphorylate to activate the dual specificity protein kinases MEK1 and MEK2, which in turn phosphorylate to activ ate the serine/threonine specific protein kinases, ERK1 and ERK2. Activated ERKs are pleiotropi c effectors of cell physiology and play an important role in the control of gene expression involved i n the cell division cycle, apoptosis, cell differentiation and cell migration. Mutations in this gene ar e associated with Noonan syndrome 5 and LEOPARD syndrome 2. [provided by RefSeq
Other Designations	Oncogene RAF1|raf proto-oncogene serine/threonine protein kinase

Pathway

- Acute myeloid leukemia
- B cell receptor signaling pathway

- Bladder cancer
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Colorectal cancer
- Endometrial cancer
- ErbB signaling pathway
- Fc epsilon RI signaling pathway
- Fc gamma R-mediated phagocytosis
- Focal adhesion
- Gap junction
- Glioma
- GnRH signaling pathway
- Insulin signaling pathway
- Long-term depression
- Long-term potentiation
- MAPK signaling pathway
- Melanogenesis
- Melanoma
- 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

- T cell receptor signaling pathway
- Vascular smooth muscle contraction
- VEGF signaling pathway

Disease

- Abnormalities
- Arrhythmias
- Articulation Disorders
- Cardiovascular Diseases
- Cognition
- Cognition Disorders
- Developmental Disabilities
- Diabetes Mellitus
- Dyslexia
- Edema
- Genetic Predisposition to Disease
- Glioma
- Hearing
- Heart Defects
- Hypertrophy
- Language Disorders
- LEOPARD Syndrome
- Memory
- Motor Skills
- Noonan Syndrome
- Skin Abnormalities

- Thyroid Neoplasms