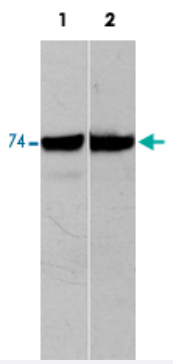
RAF1 monoclonal antibody, clone M208

Catalog # MAB6771 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot of human A-431 (Lane 1) and Jurkat (Lane 2) cells probed with RAF1 monoclonal antibody, clone M208 (Cat # MAB6771) at 1 : 500.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of RAF1.
Immunogen	A synthetic peptide corresponding to N-terminus of human RAF1.
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	This C-Raf sequence has high homology to rat and mouse C-Raf.
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:2000) Western Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1 mg/mL BSA, 0.05% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Cell lysate)

  Western blot of human A-431 (Lane 1) and Jurkat (Lane 2) cells probed with RAF1 monoclonal antibody, clone M208 (Cat # MAB6771) at 1 : 500.

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

Publication Reference

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- Nuclear localized Raf1 isoform alters DNA-dependent protein kinase activity and the DNA damage response.

  Nixon BR, Sebag SC, Glennon MS, Hall EJ, Kounlavong ES, Freeman ML, Becker JR.

  FASEB Journal 2018 Aug; fj201800336R.

  Application: WB-Ce, Human, HEK cells

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

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- 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

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- Heart Defects
- Hypertrophy
- Language Disorders
- LEOPARD Syndrome
- Memory
- Motor Skills
- Noonan Syndrome
- Skin Abnormalities
- Thyroid Neoplasms

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