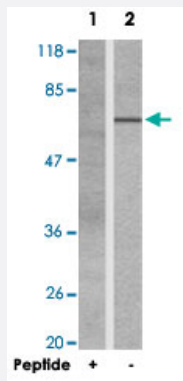


RAF1 polyclonal antibody

Catalog # PAB26752 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells using RAF1 polyclonal antibody (Cat # PAB26752).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of RAF1.
Immunogen	A synthetic peptide corresponding to residues surrounding S338 of human RAF1.
Sequence	R-D-Sp-S-Y
Host	Rabbit
Theoretical MW (kDa)	73
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

Storage Instruction

Store at -20°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

- Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells using RAF1 polyclonal antibody (Cat # PAB26752).

Gene Info — RAF1

Entrez GeneID[5894](#)**Protein Accession#**[P04049](#)**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 kinase kinase (MAP3K), which functions downstream of the Ras family of membrane associated GTPases 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 activate the serine/threonine specific protein kinases, ERK1 and ERK2. Activated ERKs are pleiotropic effectors of cell physiology and play an important role in the control of gene expression involved in the cell division cycle, apoptosis, cell differentiation and cell migration. Mutations in this gene are 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

- [A novel Hsp70 inhibitor specifically targeting the cancer-related Hsp70-Bim protein-protein interaction.](#)

Ziqian Wang, Ting Song, Zongwei Guo, Laura B Uwituze, Yafei Guo, Hong Zhang, Hang Wang, Xiaodong Zhang, Hao Pan, Tong Ji, Fangkui Yin, Sheng Zhou, Jian Dai, Zhichao Zhang.

European Journal of Medicinal Chemistry 2021 Aug; 220:113452.

Application: WB-Ce, Human, BV173, KCL22 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](#)

- [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](#)