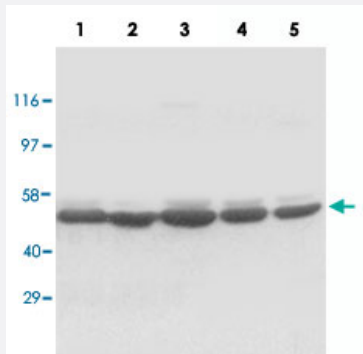


FOS polyclonal antibody

Catalog # PAB14840 Size 100 ug

Applications



Western Blot (Cell lysate)

Lane 1 : MM453 whole cell lysate.
Lane 2 : MM231 whole cell lysate.
Lane 3 : HeLa whole cell lysate.
Lane 4 : HT1080 whole cell lysate.
Lane 5 : Colo320 whole cell lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of FOS.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human FOS.
Host	Rabbit
Theoretical MW (kDa)	40.6
Reactivity	Human, Mouse, Rat
Specificity	Identical to the related rat and mouse sequence.
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)

Storage Instruction

Store at -20°C on dry atmosphere.

After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower.

Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — FOS

Entrez GeneID[2353](#)**Gene Name**

FOS

Gene Alias

AP-1, C-FOS

Gene Description

v-fos FBJ murine osteosarcoma viral oncogene homolog

Omim ID[164810](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. In some cases, expression of the FOS gene has also been associated with apoptotic cell death. [provided by RefSeq]

Other Designations

FBJ murine osteosarcoma viral (v-fos) oncogene homolog (oncogene FOS)|activator protein 1|cellular oncogene c-fos

Publication Reference

- [miR-181a negatively modulates synaptic plasticity in hippocampal cultures and its inhibition rescues memory deficits in a mouse model of Alzheimer's disease.](#)

Rodriguez-Ortiz CJ, Prieto GA, Martini AC, Forner S, Trujillo-Estrada L, LaFerla FM, Baglietto-Vargas D, Cotman CW, Kitazawa M.

Aging Cell 2020 Mar; 19(3):e13118.

Application: WB-Ce, WB-Ti, Mouse, Mouse brains, Primary hippocampal cultures

- [Fos and bone cell development: lessons from a nuclear oncogene.](#)

Grigoriadis AE, Wang ZQ, Wagner EF.

Trends in Genetics 1995 Nov; 11(11):436.

Application: IF, IHC, Mouse, Mouse bone tissues

- [c-fos is required for malignant progression of skin tumors.](#)

Saez E, Rutberg SE, Mueller E, Oppenheim H, Smoluk J, Yuspa SH, Spiegelman BM.

Cell 1995 Sep; 82(5):721.

- [Human c-fos oncogene mapped within chromosomal region 14q21---q31.](#)

Barker PE, Rabin M, Watson M, Breg WR, Ruddle FH, Verma IM.

PNAS 1984 Sep; 81(18):5826.

Pathway

- [B cell receptor signaling pathway](#)
- [Colorectal cancer](#)
- [MAPK signaling pathway](#)
- [Pathways in cancer](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Anorexia Nervosa](#)
- [Asthma](#)

- [Bronchiolitis](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)