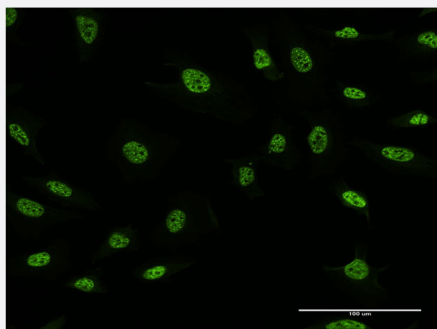


FOS monoclonal antibody (M65), clone 2D12

Catalog # H00002353-M65

Size 100 ug

Applications



Immunofluorescence

Immunofluorescence of monoclonal antibody to FOS on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant FOS.

Immunogen

FOS (NP_005243.1, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MMFSGFNADYEASSSRCSSASPAGDSLSEYHSPADSFSSMGSPVNAQDFCTDLAVSSANFIPT
VTAISTSPDLQWLQPALVSSVAPSQTRAPHPFGVPA

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (94); Rat (94)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to FOS on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — FOS

Entrez GeneID	2353
GeneBank Accession#	NM_005252.2
Protein Accession#	NP_005243.1
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

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](#)