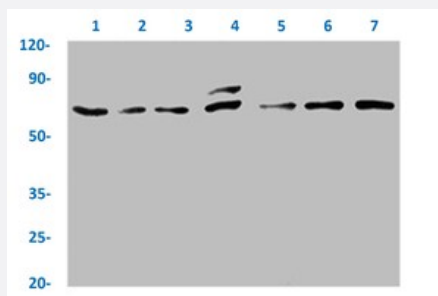


RecomAb™

FOS recombinant monoclonal antibody, clone 14C10

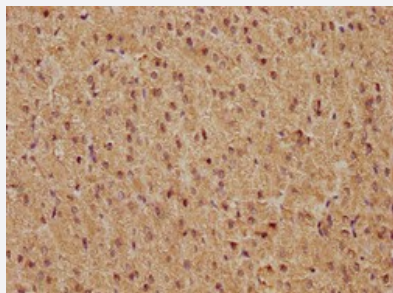
Catalog # RAB04376 Size 100 uL

Applications



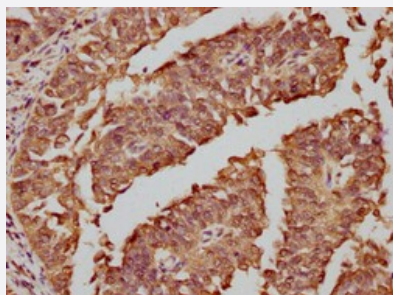
Western Blot

Western blot analysis of Lane 1: HepG2 whole cell lysate, Lane 2: Hela whole cell lysate, Lane 3: MCF-7 whole cell lysate, Lane 4: Jurkat whole cell lysate, Lane 5: A549 whole cell lysate, Lane 6: 293 whole cell lysate and Lane 7: 3T3 whole cell lysate with FOS recombinant monoclonal antibody, clone 14C10 (Cat # RAB04376).



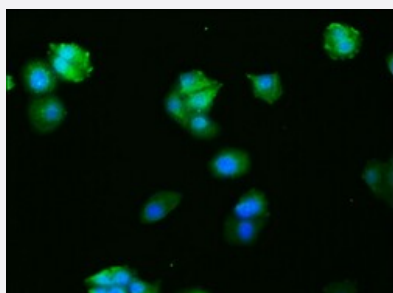
Immunohistochemistry

Immunohistochemical staining of human adrenal gland tissue with FOS recombinant monoclonal antibody, clone 14C10 (Cat # RAB04376) (diluted at 1:81).



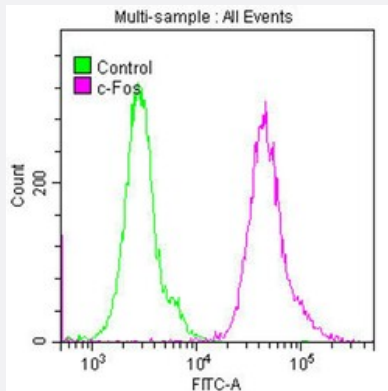
Immunohistochemistry

Immunohistochemical staining of human cervical cancer with FOS recombinant monoclonal antibody, clone 14C10 (Cat # RAB04376) (diluted at 1:81).



Immunofluorescence

Immunofluorescent staining of HepG2 cells with FOS recombinant monoclonal antibody, clone 14C10 (Cat # RAB04376) (diluted at 1:27). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).



Flow Cytometry

Flow cytometric analysis of HeLa cells with FOS recombinant monoclonal antibody, clone 14C10 (Cat # RAB04376) (diluted at 1:50; purple line) and negative control (green line).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FOS.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human FOS.
Theoretical MW (kDa)	Calculated MW: 41, 2
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry Immunofluorescence (1:20-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20°C or -80°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

Western blot analysis of Lane 1: HepG2 whole cell lysate, Lane 2: Hela whole cell lysate, Lane 3: MCF-7 whole cell lysate, Lane 4: Jurkat whole cell lysate, Lane 5: A549 whole cell lysate, Lane 6: 293 whole cell lysate and Lane 7: 3T3 whole cell lysate with FOS recombinant monoclonal antibody, clone 14C10 (Cat # RAB04376).

- Immunohistochemistry

Immunohistochemical staining of human adrenal gland tissue with FOS recombinant monoclonal antibody, clone 14C10 (Cat # RAB04376) (diluted at 1:81).

- Immunohistochemistry

Immunohistochemical staining of human cervical cancer with FOS recombinant monoclonal antibody, clone 14C10 (Cat # RAB04376) (diluted at 1:81).

- Immunofluorescence

Immunofluorescent staining of HepG2 cells with FOS recombinant monoclonal antibody, clone 14C10 (Cat # RAB04376) (diluted at 1:27). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of HeLa cells with FOS recombinant monoclonal antibody, clone 14C10 (Cat # RAB04376) (diluted at 1:50; purple line) and negative control (green line).

Gene Info — FOS

Entrez GeneID [2353](#)

Protein Accession# [P01100](#)

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](#)