

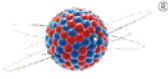
Anti-c-Fos Antibody

NH-R-0938

Product Type: Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity: Mouse, Human, Rat
Applications: IF-Tissue Clearing
Clone number: JJ0938

Description:	Protein c-Fos is a proto-oncogene that is the human homolog of the retroviral oncogene v- fos.[5] It is encoded in humans by the FOS gene. It was first discovered in rat fibroblasts as the transforming gene of the FBJ MSV (Finkel-Biskis-Jenkins murine osteogenic sarcoma virus) (Curran and Tech, 1982). It is a part of a bigger Fos family of transcription factors which includes c-Fos, FosB, Fra-1 and Fra-2. It has been mapped to chromosome region 14q21→q31. c-Fos encodes a 62 kDa protein, which forms heterodimer with c-jun (part of Jun family of transcription factors), resulting in the formation of AP-1 (Activator Protein-1) complex which binds DNA at AP-1 specific sites at the promoter and enhancer regions of target genes and converts extracellular signals into changes of gene expression. It plays an important role in many cellular functions and has been found to be overexpressed in a variety of cancers.
Immunogen:	Synthetic peptide within Human c-Fos aa 231-268 / 380.
Positive control:	Mouse brain tissue .
Subcellular location:	Nucleus, Endoplasmic reticulum, Cytoplasm.
Recommended Dilutions:	
IF-Tissue Clearing	1:50
Adaptive Clearing kit	Tissue Clearing Kit (Hydrophilic) (Cat#:NH-CR-210701)
Storage Buffer:	1* TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Storage Instruction:	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Purity:	Protein A affinity purified





Images

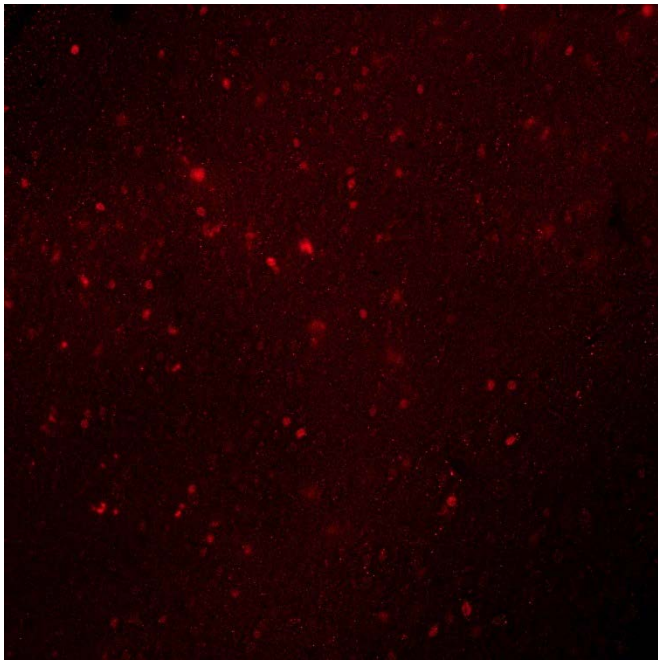


Fig1:Immunofluorescence analysis of fresh mouse brain tissue labeling c-fos Recombinant Rabbit Monoclonal Antibody (NH-R-0938) at 1/50 dilution.

The section was treated with Tissue Clearing Kit(Hydrophilic) (Cat#:NH-CR-210701), the tissues were blocked for 2 hours at 4°C, washed with PBS, and then probed with the primary antibody (NH-R-0938,1/50) overnight at 4°C, washed with PBS. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) was used as the secondary antibody at 1/50 dilution. Image acquisition was performed with Zeiss 980.

