

34-1032: Monoclonal Antibody to c-Fos (Clone: 2H2)

Clonality :	Monoclonal
Clone Name :	2H2
Application :	WB, IF/ICC, IHC
Reactivity :	Human, Rat, Mouse
Gene :	FOS
Gene ID :	2353
Uniprot ID :	P01100
Format :	Purified
Alternative Name :	Cellular oncogene fos,G0/G1 switch regulatory protein 7
Isotype :	Mouse, IgG1
Immunogen Information :	Full length recombinant human protein expressed in and purified from E. coli.

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 1:500, IF/ICC or IHC: 1:500

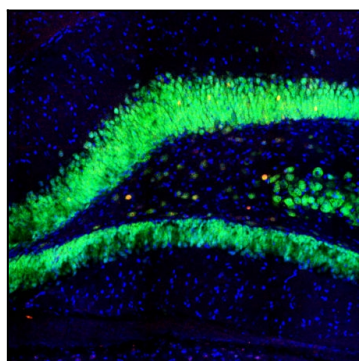


Figure-1: Immunofluorescent analysis of rat hippocampus section stained with mouse mAb to c-FOS,(34-1032), dilution 1:200, in red, and costained with rabbit pAb to FOX3/NeuN,(34-1036), dilution 1:3,000, in green. The blue is Hoechst staining of nuclear DNA. The (34-1032) antibody labels nuclei of spontaneously activated neurons, while FOX3/NeuN antibody stains nuclei and distal perikarya of most neurons.

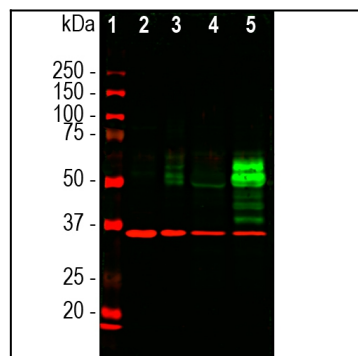


Figure-2: Western blot analysis of cell lysates using mouse mAb to cFos,(34-1032), dilution 1:1,000, in green, and rabbit pAb to GAPDH,(34-1048), dilution 1:20,000, in red, used as a loading control. [1] protein standard (red), [2] HeLa cells in serum free media. [3] HeLa cells stimulated with 20% fetal bovine serum for 2hrs after 36hrs in serum free media. [4] rat cortical neurons. [5] rat cortical neurons treated with membrane depolarization buffer for 5hrs. Multiple bands at 50-65kDa in stimulated or treated cell lysates correspond to different forms of the c-Fos protein. The single band at 37 kDa represents GAPDH protein.