

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

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

### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody.
<b>Storage condition :</b>	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

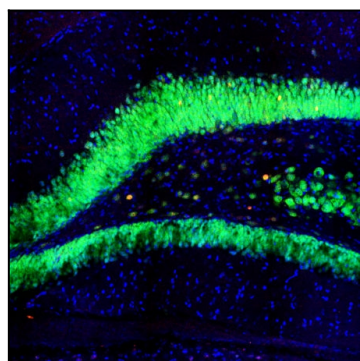


Figure-1: Immunofluorescent analysis of rat hippocampus section stained with mouse mAb to c-FOS,(34-1032), dilution 1:200, in red, and costained with rabbit pAb to FOX3/NeuN,(34-1036), dilution 1:3,000, in green. The blue is Hoechst staining of nuclear DNA. The (34-1032) antibody labels nuclei of spontaneously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

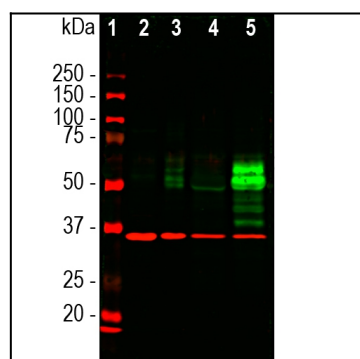


Figure-2: Western blot analysis of cell lysates using mouse mAb to cFos,(34-1032), dilution 1:1,000, in green, and rabbit pAb to GAPDH,(34-1048), dilution 1:20,000, in red, used as a loading control. [1] protein standard (red), [2] HeLa cells in serum free media. [3] HeLa cells stimulated with 20% fetal 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.