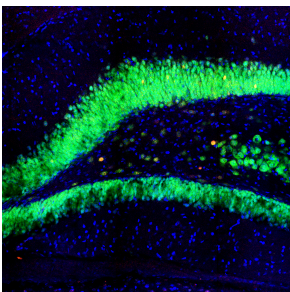


Anti-c-Fos Antibody [2H2] (A85387)

Specifications:

Name:	Anti-c-Fos Antibody [2H2]
Description:	Mouse monoclonal (2H2) antibody to c-Fos.
Applications:	WB, ICC/IF, IHC
Recommended Dilutions:	WB: 1:500, ICC/IF: 1:500, IHC: 1:500
Reactivity:	Human, Rat, Mouse
Immunogen:	Recombinant full-length human c-FOS, expressed in and purified from E. coli.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	2H2
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Immunogen affinity purification.
Concentration:	1 mg/ml
Molecular Weight:	50-65 kDa
Product Form:	Liquid
Formulation:	Supplied in Phosphate Buffered Saline with 50% Glycerol and 5mM Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

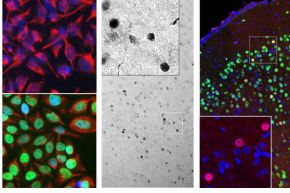
Images:



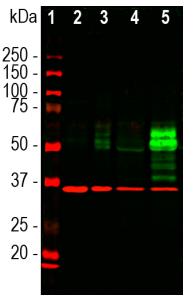
Section of rat hippocampus stained with Anti-c-Fos Antibody (red) and Anti-FOX3/NeuN Antibody (A85403 | green). DAPI reveals nuclei of neurons and glia in blue. The hippocampal neurons stain green for FOX3/NeuN and a few also are expressing c-FOS, and so appear orange. These cells were spontaneously active at the time the animal was sacrificed.

Anti-c-Fos Antibody [2H2] (A85387)

Images continued:



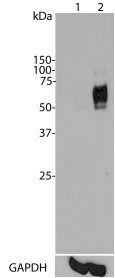
Left: Anti-c-Fos Antibody staining (green) in HeLa cells, which were treated with serum-starvation for 36 hours, followed by 2 hours, 20% FBS stimulation (bottom panel), or PBS treatment (top panel). Green c-Fos staining only localizes in the nuclei of stimulated cells, but not in un-stimulated cells. Cells are counter-stained with Anti-Vimentin Antibody (A85421 | red). Blue shows DAPI staining of nucleus. Middle: Mouse brain section (45 μ M; fixed by transcardial perfusion with 4% paraformaldehyde) labeled with Anti-c-Fos Antibody using a standard HRP-DAB (horseradish peroxidase-3,3'-diaminobenzidine) staining technique. Cells expressing c-Fos show dark color in nucleus. Right: Mouse cortical section labeled with Anti-c-Fos Antibody (red) and Anti-Fox3/NeuN Antibody (A85403 | green) using immuno-fluorescent confocal-microscopy. Neurons positive for c-Fos and Fox3/NeuN appear to be yellow. Inset shows an enlarged image of Anti-c-Fos Antibody staining. Nuclei are labeled with DAPI (blue).



Western blot analysis of cell lysates using Anti-c-Fos Antibody [2H2] (A85387), at a dilution of 1:1,000, in green, and Anti-GAPDH Antibody (A85377), at a dilution of 1:20,000, in red, used as a loading control. The lanes contain samples of: [1] Protein standards, in 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, and [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.

Anti-c-Fos Antibody [2H2] (A85387)

Images continued:



Top panel: Western blot analysis of c-Fos expression in HeLa cells using Anti-c-Fos Antibody. Lane 1: HeLa cells were serum-starved for 36 hours. 2: Serum-starved HeLa cells were stimulated with 20% FBS (fetal bovine serum) for 2 hours. Anti-c-Fos Antibody recognizes bands in the range of 50-65 kDa, which represent multiple forms of c-Fos. Serum starvation attenuates c-Fos expression, while 20% FBS strongly stimulates c-Fos expression. Bottom panel: Blot was stripped and probed with Anti-GAPDH Antibody (A85382), used as loading control.