

c-Fos Antibody

Catalog No: #48283

Package Size: #48283-1 50ul #48283-2 100ul

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Description

Product Name	c-Fos Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Immunogen affinity purified
Applications	WB, IP, IF, IHC(P)
Species Reactivity	Hu, Ms, Rt, Fish
Immunogen Description	peptide
Other Names	Activator protein 1 antibody AP 1 antibody C FOS antibody Cellular oncogene c fos antibody Cellular oncogene fos antibody FBJ murine osteosarcoma viral (v fos) oncogene homolog (oncogene FOS) antibody FBJ murine osteosarcoma viral oncogene homolog antibody FBJ murine osteosarcoma viral v fos oncogene homolog antibody FBJ Osteosarcoma Virus antibody FOS antibody FOS protein antibody FOS_HUMAN antibody G0 G1 switch regulatory protein 7 antibody G0/G1 switch regulatory protein 7 antibody G0S7 antibody Oncogene FOS antibody p55 antibody proto oncogene c Fos antibody Proto oncogene protein c fos antibody Proto-oncogene c-Fos antibody v fos FBJ murine osteosarcoma viral oncogene homolog antibody
Accession No.	Swiss-Prot#:P01100
Calculated MW	62kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

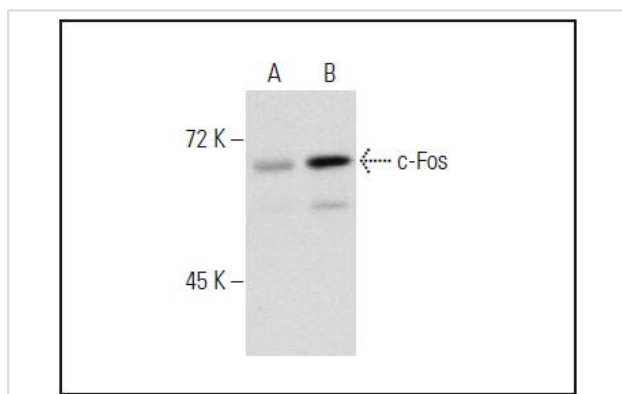
Application Details

WB: 1:100-1:1,000

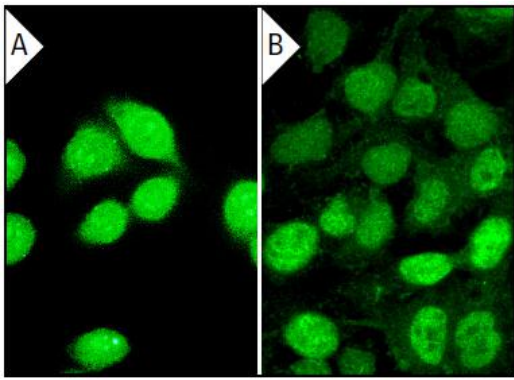
IHC: 1:50-1:500

IP: 1-2 &mu;g per 100-500 &mu;g of total protein (1 ml of cell lysate)

Images



Western blot analysis of c-Fos expression in non-transfected(A) and mouse c-Fos transfected(B) 293T whole cell lysates.



Nuclear immunofluorescence staining of methanol-fixed, phorbol ester-induced HeLa cells (A) and formalin-fixed HepG2 cells showing nuclear localization (B).

Background

The c-Fos oncogene was initially detected in two independent murine osteosarcoma virus isolates and an avian nephroblastoma virus. The cellular homolog, c-Fos, encodes a nuclear phospho-protein that is rapidly and transiently induced by a variety of agents and functions as a transcriptional regulator for several genes. In contrast to c-Jun proteins, which form homo- and heterodimers which bind to specific DNA response elements, c-Fos proteins are only active as heterodimers with members of the Jun gene family. Functional homologs of c-Fos include the Fra-1, Fra-2 and Fos B genes. In addition, selected ATF/CREB family members can form leucine zipper dimers with Fos and Jun. Different dimers exhibit differential specificity and affinity for AP-1 and CRE sites.

References

1. Tsuneoka, Y., et al. 2013. Functional, anatomical, and neurochemical differentiation of medial preoptic area subregions in relation to maternal behavior in the mouse. *J. Comp. Neurol.* 521: 1633-1663.
2. Shimizu, T., et al. 2013. Stimulatory and inhibitory roles of brain 2-arachidonoylglycerol in bombesin-induced central activation of adrenomedullary outflow in rats. *J. Pharmacol. Sci.* 121: 157-171.

Published Papers

et al., Inhibitory Effects of Combined Bone Morphogenetic Protein 2, Vascular Endothelial Growth Factor, and Basic Fibroblast Growth Factor on Osteoclast Differentiation and Activity. In *Tissue Eng Part A* on 2021 Nov by Huan Wu, Guangfu Yin, et al.. PMID:33632010, (2021)

[PMID:33632010](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.