

Nur für Forschungszwecke

c-Fos Monoklonaler Antikörper

Katalog-Nr.:66590-1-Ig

Vorgestelltes Produkt

47 Publikationen



Allgemeine Informationen

Katalog-Nr.: 66590-1-Ig	GenBank-Zugangsnummer: BC004490	Reinigungsmethode: Protein-G-Reinigung
Größe: 150ul, Konzentration: 1000 µg/ml von Nanodrop;	GeneID (NCBI): von2353	CloneNo.: 1G2C5
Wirt: Maus	Vollständiger Name: FOS	Empfohlene Verdünnungen: WB 1:5000-1:50000
Isotyp: IgG1	Berechnete Masse: 41 kDa	
Immunogen Katalognummer: AG24340	Beobachtete Masse: 55-60 kDa	

Anwendungen

Geprüfte Anwendungen:

FC, WB, ELISA

In Publikationen genannte Anwendungen:

IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus

Positivkontrollen:

WB : HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen, K-562-Zellen, RAW 264.7-Zellen, THP-1-Zellen, U-937-Zellen

Hintergrundinformationen

c-Fos, also named as FOS and G0/G1 switch regulatory protein 7, is a 380 amino acid protein, which contains 1 bZIP (basic-leucine zipper) domain and belongs to the bZIP family. c-Fos is expressed at very low levels in quiescent cells. When cells are stimulated to reenter growth, c-Fos undergo 2 waves of expression, the first one peaks 7.5 minutes following FBS induction. At this stage, the c-Fos protein is localized endoplasmic reticulum. The second wave of expression occurs at about 20 minutes after induction and peaks at 1 hour. At this stage, the c-FOS protein becomes nuclear. c-Fos is a very short-lived intracellular protein, which is very easy to degrade. The calculated molecular weight of c-Fos is 40 kDa, but Phosphorylated c-Fos protein is about 60-65 kDa. It is involved in important cellular events, including cell proliferation, differentiation and survival; genes associated with hypoxia; and angiogenesis; which makes its dysregulation an important factor for cancer development. It can also induce a loss of cell polarity and epithelial-mesenchymal transition, leading to invasive and metastatic growth in mammary epithelial cells. Expression of c-Fos is an indirect marker of neuronal activity because c-Fos is often expressed when neurons fire action potentials. Upregulation of c-Fos mRNA in a neuron indicates recent activity.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ning Wang	36235607	Nutrients	WB
Hongbing Lin	36114617	Stem Cells Dev	WB
Xuming Wang	36187757	Front Physiol	WB,IHC

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

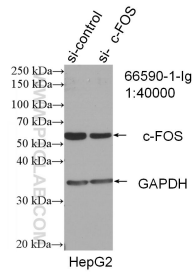
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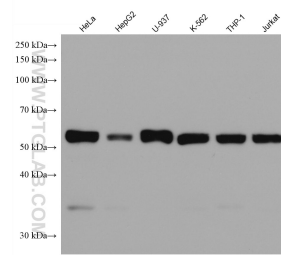
E: proteintech@ptglab.com
W: ptglab.com

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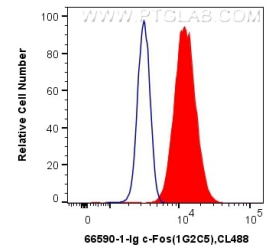
Ausgewählte Validierungsdaten



WB result of c-Fos antibody (66590-1-Ig; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-c-Fos transfected HepG2 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 66590-1-Ig (c-Fos antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 HeLa cells were intracellularly stained with 0.5 ug Anti-Human c-Fos (66590-1-Ig, Clone:1G2C5) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.5 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).