c-Fos Polyclonal Antibody

Catalog No: #21667

Package Size: #21667-1 50ul #21667-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

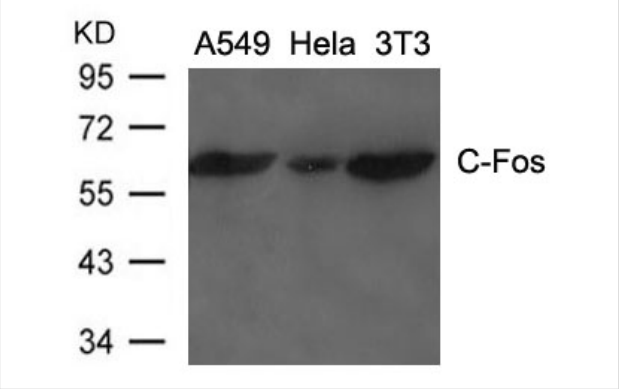
Description

Product Name	c-Fos Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total C-Fos protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.28~32(S-Y-Y-H-S) derived from Human C-Fos.
Conjugates	Unconjugated
Target Name	C-Fos
Other Names	p55; AP-1;
Accession No.	Swiss-Prot: P01100NCBI Protein: NP_005243.1
Calculated MW	41kDa
SDS-PAGE MW	55-62kDa
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

WB 1:500 - 1:2000

Images



Western blot analysis of extracts from A549, Hela and 3T3 cells using C-Fos Antibody #21667.

Background

Nuclear phosphoprotein which forms a tight but non-covalently linked complex with the JUN/AP-1 transcription factor. In the heterodimer, FOS and JUN/AP-1 basic regions each seems to interact with symmetrical DNA half sites. On TGF-beta activation, forms a multimeric SMAD3/SMAD4/JUN/FOS complex at the AP1/SMAD-binding site to regulate TGF-beta-mediated signaling. Has a critical function in regulating the Has a critical function in regulating the development of cells destined to form and maintain the skeleton. It is thought to have an important role in signal transduction, cell proliferation and differentiation.

Okazaki K., Sagata N.EMBO J. 14:5048-5059(1995)

Zhang Y., Feng X.H., Derynck R.Nature 394:909-913(1998)

Bossis G., Malnou C.E., Farras R. Mol. Cell. Biol. 25:6964-6979(2005)

Published Papers

el at., Piperine alleviates osteoclast formation through the p38/cı ζ os/NFATc1 signaling axis.In Biofactors on Nov-Dec 2015 by Vishwa Deepak , Marlena C Kruger et al..PMID: 26627060, , (2015)

PMID:26627060

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