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Datasheet for ABIN3020748

anti-c-FOS antibody (AA 211-380)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	c-FOS (c-Fos)
Binding Specificity:	AA 211-380
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This c-FOS antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 211-380 of human c-Fos (NP_005243.1).
Sequence:	GFPEEMSVAS LDLTGGLPEV ATPESSEAF T LPLLNDPEPK PSVEPVKSIS SMELKTEPFD DFLFPASSRP SGSETARSVP DMDLSGSFYA ADWEPLHSGS LGMGPMATEL EPLCTPVVTC TPSCTAYTSS FVFYTYPEADS FPSCAAHRK GSSSNEPSSD SLSSPTLLAL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	c-FOS (c-Fos)
Alternative Name:	FOS (c-Fos Products)
Background:	The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. In some cases, expression of the FOS gene has also been associated with apoptotic cell death.,FOS,AP-1,C-FOS,p55,c-Fos,Epigenetics & Nuclear Signaling,Transcription Factors,Cancer,Tumor biomarkers,Signal Transduction,ErbB-HER Signaling Pathway,MAPK-Erk Signaling Pathway,Immunology & Inflammation,T Cell Receptor Signaling Pathway,Neuroscience,Cell Type Marker,Neuron marker,FOS
Molecular Weight:	28 kDa/36 kDa/40 kDa
Gene ID:	2353
UniProt:	P01100
Pathways:	S100 Proteins

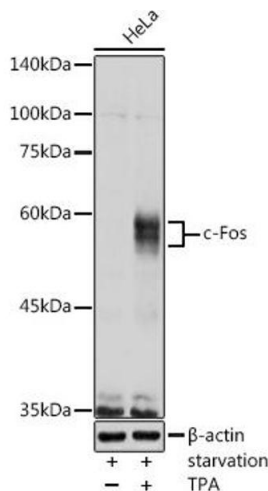
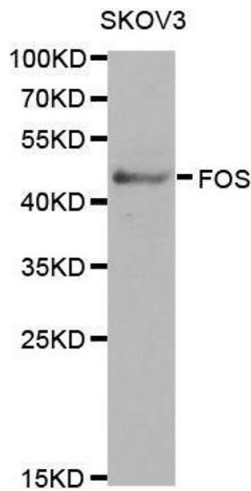
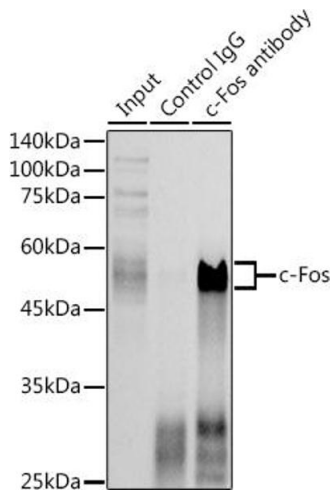
Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Product cited in: Chang, Lin, Fu, Wang, Han, Fan: "MicroRNA-195-5p Regulates Osteogenic Differentiation of Periodontal Ligament Cells Under Mechanical Loading." in: **Journal of cellular physiology**, Vol. 232, Issue 12, pp. 3762-3774, (2017) ([PubMed](#)).



Immunoprecipitation

Image 1. Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg c-Fos antibody (ABIN3020747, ABIN3020748, ABIN3020749, ABIN1512925 and ABIN6213704). Western blot was performed from the immunoprecipitate using c-Fos antibody (ABIN3020747, ABIN3020748, ABIN3020749, ABIN1512925 and ABIN6213704) at a dilution of 1:1000.

Western Blotting

Image 2.

Western Blotting

Image 3. Western blot analysis of extracts of HeLa cells, using c-Fos antibody (ABIN3020747, ABIN3020748, ABIN3020749, ABIN1512925 and ABIN6213704) at 1:1000 dilution. HeLa cells were treated by PMA/TPA (200 nM) at 37 °C for 15 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 %

nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.