Datasheet for ABIN7138813

anti-c-FOS antibody (pThr232)

2 Images

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Overview

Quantity:	100 µL
Target:	c-FOS (c-Fos)
Binding Specificity:	pThr232
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This c-FOS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 232(V-A-T(p)-P-E) derived from Human FOS .
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi

Target Details

Target:	c-FOS (c-Fos)
Alternative Name:	FOS (c-Fos Products)

Target Details

Background:	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 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. In growing cells, activates phospholipid synthesis, possibly by activating CDS1 and PI4K2A. This activity requires Tyr-dephosphorylation and association with the endoplasmic reticulum. van Straaten F. Proc. Natl. Acad. Sci. U.S.A. 80:3183-3187(1983). Hai T., Genes Dev. 3:2083-2090(1989). Heilig R., Nature 421:601-607(2003). Aliases: 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
UniProt:	P01100
Pathways:	S100 Proteins

Application Details

Application Notes:	WB:1:500-1:1000, IHC:1:50-1:100,
Restrictions:	For Research Use only

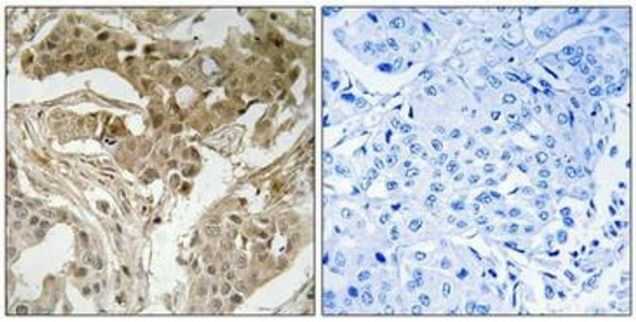
Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl,

Handling

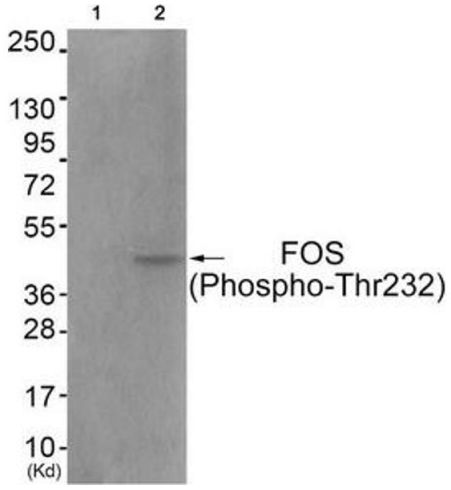
	0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FOS (Phospho-Thr232) antibody (left)or the same antibody preincubated with blocking peptide (right).



Western Blotting

Image 2. Western blot analysis of extracts from COS7 cells (Lane 2), using FOS (Phospho-Thr232) Antibody. The lane on the left is treated with antigen-specific peptide.

