



Datasheet for ABIN684928

anti-c-FOS antibody (pThr325)



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Overview

Quantity:	100 µL
Target:	c-FOS (c-Fos)
Binding Specificity:	pThr325
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This c-FOS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human c-Fos around the phosphorylation site of Thr325
Isotype:	IgG
Specificity:	This phosphorylation site is homologous to Thr325 in Mouse and Rat.
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog, Sheep, Pig, Chicken
Purification:	Purified by Protein A.

Target Details

Target:	c-FOS (c-Fos)
Alternative Name:	c-Fos (c-Fos Products)
Background:	<p>Synonyms: p55, AP-1, C-FOS, Proto-oncogene c-Fos, Cellular oncogene fos, G0/G1 switch regulatory protein 7, FOS, G0S7</p> <p>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.</p>
Gene ID:	2353
UniProt:	P01100
Pathways:	S100 Proteins

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL

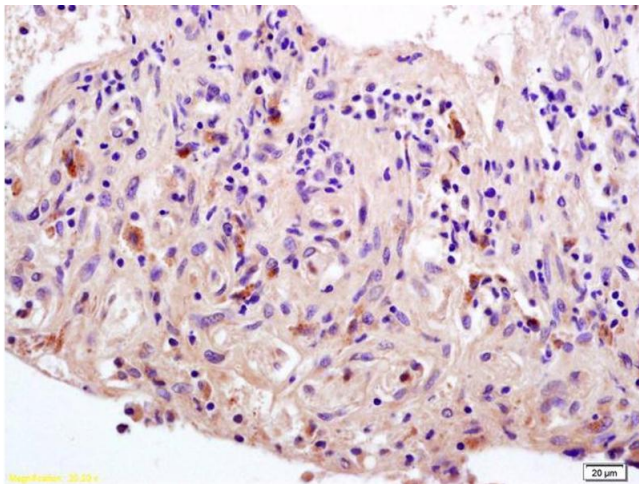
Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Tavares, Pathak: "Helicobacter pylori Secreted Protein HP1286 Triggers Apoptosis in Macrophages via TNF-Independent and ERK MAPK-Dependent Pathways." in: Frontiers in cellular and infection microbiology , Vol. 7, pp. 58, (2017) (PubMed).
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Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human rectal carcinoma labeled with Anti-Phospho-c-Fos (Thr325) Polyclonal Antibody, Unconjugated (ABIN684928) at 1:200 followed by conjugation to the secondary antibody and DAB staining.