

c-Fos (phospho Thr232) antibody

Cat. No. GTX17933

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, ChIP assay
Reactivity	Human

Package

50 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	1:250
IHC-P	1:20
ChIP assay	1-3 µg/10 ⁶ cells

Not tested in other applications.

Calculated MW 41 kDa. ([Note](#))

Properties

Form	Liquid
Buffer	PBS, 0.1% BSA, 50% Glycerol
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	Batch dependent (Please refer to the vial label for the specific concentration.)
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from the region of human c-Fos that contains threonine 232. The sequence is conserved in mouse and rat.
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated



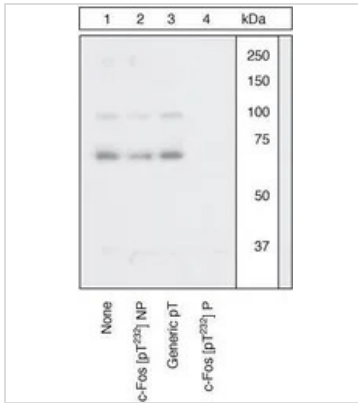
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Note

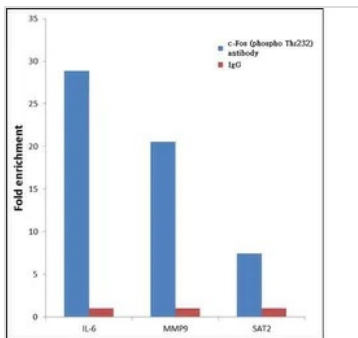
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DATA IMAGES



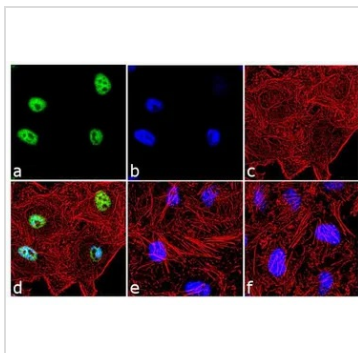
GTX17933 WB Image

WB (peptide competition) analysis of SKBR3 cells treated with 200ng/mL EGF for 10 minutes using GTX17933 c-Fos (phospho Thr232) antibody prior incubated with the non-phosphopeptide corresponding to the phosphopeptide immunogen (Lane 2), a generic phosphothreonine-containing peptide (Lane 3), or the phosphopeptide immunogen (Lane 4) control. The data show that only the immunogen phosphopeptide blocks the signal, demonstrating the specificity of the antibody.



GTX17933 ChIP assay Image

ChIP analysis of 2 million A431 cells treated with EGF (200ng/ml) for 30 minutes using GTX17933 c-Fos (phospho Thr232) antibody. Normal Rabbit IgG was used as a negative IP control. The precipitated DNA was detected by PCR with primer set targeting to the promoter of IL-6, MMP9 gene, used as positive control target, and the SAT2 used as negative control target.



GTX17933 ICC/IF Image

ICC/IF analysis of HeLa cells treated with 20 ng of EGF for 10 minutes using GTX17933 c-Fos (phospho Thr232) antibody. Panel e is untreated cell with no signal. Panel f represents control cells with no primary antibody to assess background.

Green : Primary antibody

Blue : Nuclei

Red : Actin

Fixation : 4% paraformaldehyde

Permeabilization : 0.1% Triton X-100 for 10 minutes



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