Phospho-c-Fos (Ser32) (BA9) rabbit mAb

www.abwizbio.com
Support: info@abwizbio.com
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#2426

Store at: -20ºC

For Research Use Only. Not For Use In Diagnostic Procedures.

Applications	Detection	Clonality	Isotype
Flow Cytometry	Anti-Rabbit IgG	Monoclonal	Rabbit IgGk

Format: Unconjugated

Cross Reactivity: Predicted to work with mouse, rat and other homologues.

Formulation: 1X PBS, 0.02% NaN3, 50% Glycerol, 0.1% BSA

Preparation: Protein A+G

Reactivity: Human,Mouse,Rat

Recommended Usage: 1µg/mL ? 0.001µg/mL. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

Immunogen: A synthetic phospho-peptide corresponding to residues surrounding Ser32 of human phospho c-Fos

Description: c-FOS belongs to the Fos family of nuclear oncogenes which include Fos B, Fos-related antigen 1 (FRA1), Fos-related antigen 2 (FRA2) in addition to c-Fos(1). Activator Protein-1 (AP-1) is formed upon dimerization of Fos proteins with Jun protiens (c-Jun, Jun B, and JunD)(2,3). AP-1 is considered a transcription factor that binds to TRE/AP-1 elements and activates transcription. ERK5 is involved with c-Fos phosphorylation at Ser32 and Thr232 which increase c-Fos stability and its nuclear translocation.

References:

1. Dobrazanski, P., et al., (1991) Mol Cell Biol, 11:5470-8.
2. Tulchinsky E (2000) Histol Histopathol 15:921-8.
3. Kovary K. and Bravo R. (1992) Mol Cell Biol 12:5015-23.

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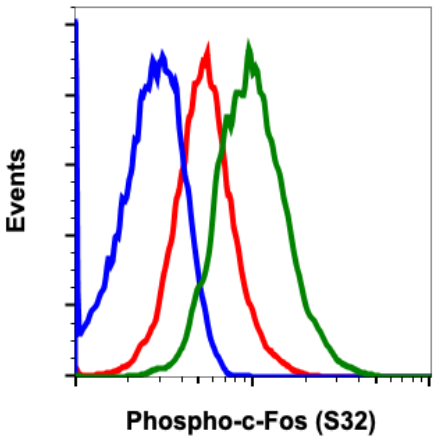
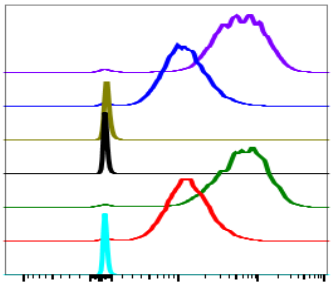
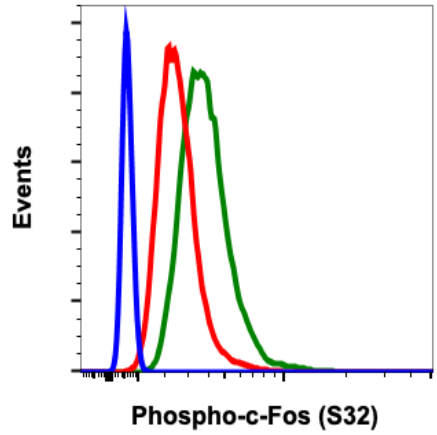


Flow cytometric analysis of HeLa cells, secondary antibody only negative control (blue) or untreated (red) or treated with UV+TPA (green) using Phospho-c-Fos (Ser32) antibody cFosS32-BA9 at 0.001 µg/mL. Cat. #2426.

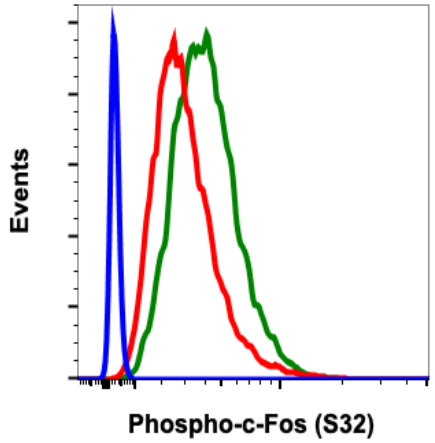


	IgG	Treatment	Peptide Block	Median : BL1-A
□	BA9	UV TPA	Non-phos.	54076
□	BA9	Ctrl	Non-phos.	11288
□	BA9	UV TPA	Phospho.	550
□	BA9	Ctrl	Phospho.	398
□	BA9	UV TPA	-	59738
□	BA9	Ctrl	-	12330
□	2° only	Ctrl	-	376

Peptide blocking flow cytometric analysis of HeLa cells secondary antibody only negative control (light blue) or untreated (red) or treated with UV + TPA (green) or untreated and blocked with phospho-peptide (black) or treated and blocked with phospho peptide (gold) or untreated and blocked with non-phospho peptide (dark blue) or treated and blocked with non-phospho peptide (purple) using Phospho-c-Fos (Ser32) antibody cFosS32-BA9 at 0.01µg/mL. Cat. #2426.



Flow cytometric analysis of L929 cells, secondary antibody only negative control (blue) or untreated (red) or treated with UV (green) using Phospho-c-Fos (Ser32) antibody cFosS32-BA9 at 0.001 µg/mL. Cat. #2426.



Flow cytometric analysis of C6 cells, secondary antibody only negative control (blue) or untreated (red) or treated with UV+TPA (green) using Phospho-c-Fos (Ser32) antibody cFosS32-BA9 at 0.001 µg/mL. Cat. #2426.

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