

Phospho-NFkB p65 (Ser529) (H3) rabbit mAb

www.abwizbio.com

Support: info@abwizbio.com

Order: sales@abwizbio.com

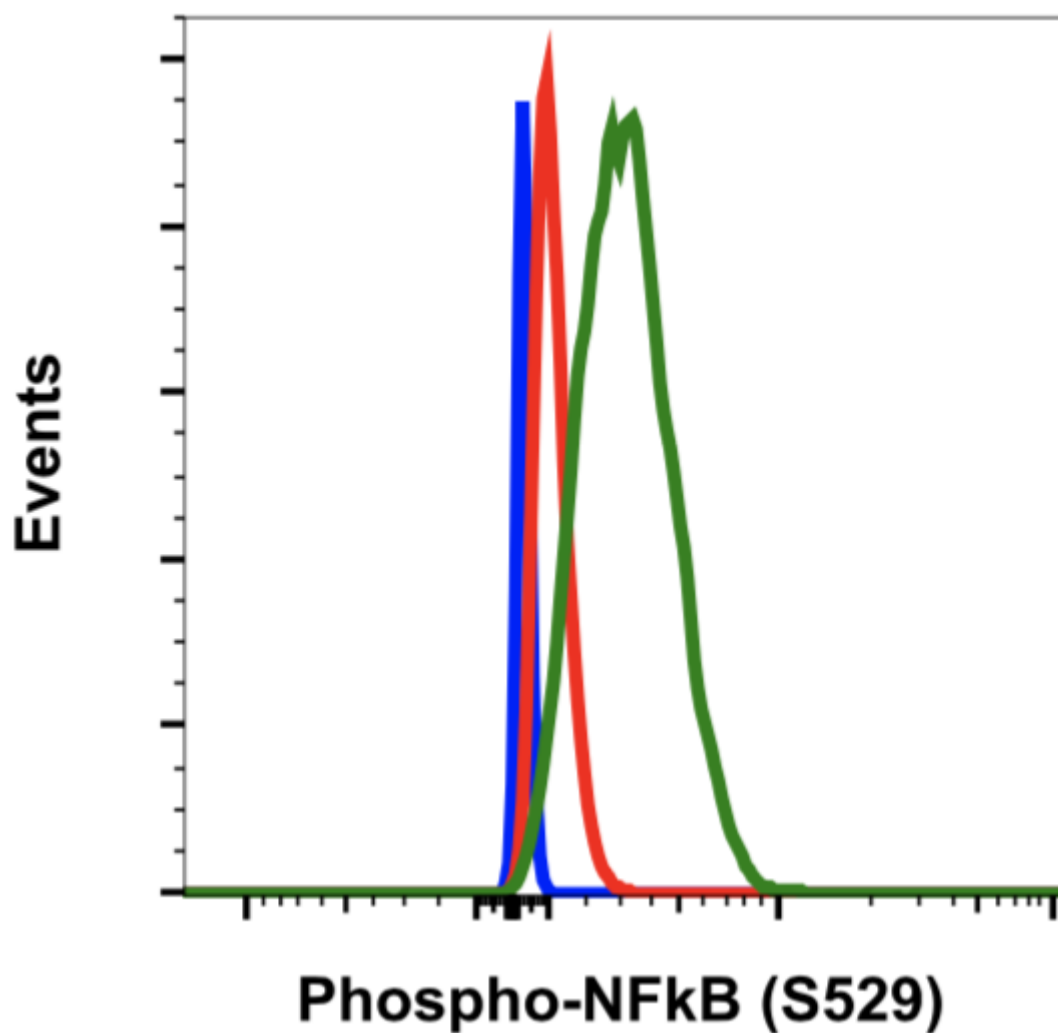
Catalog: #2406

Store at: -20°C

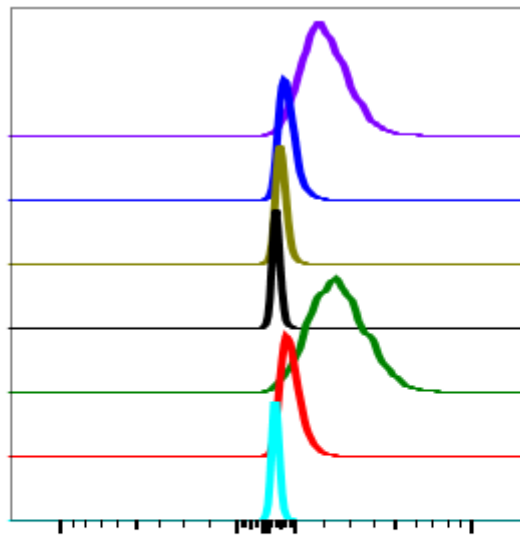
For Research Use Only. Not For Use In Diagnostic Procedures.

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% NaN ₃ , 50% Glycerol, 0.1% BSA
Preparation:	Protein A+G
Reactivity:	Human, Mouse
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 Ser529 of human phospho-NFkB p65
Description:	<p>The nuclear factor κB (NFκB)/Rel family of transcription factors play a pivotal role in inflammatory and immune responses (1,2). NF-kappa-B is present in almost all cell types and is involved in many biological processes including immunity, inflammation, cell growth and differentiation, apoptosis, and tumorigenesis. NFκB is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFκB1/p105, NFκB1/p50, REL and NFκB2/p52. The dimers bind at κB sites in the target gene DNA. Individual dimers have distinct preferences for different κB sites and can act as either transcriptional activators or repressors. NFκB Ser536 phosphorylation stimulates Lys310 acetylation and interaction of phospho NFκB with CBP. Acetylated/phospho NFκB induces enhanced transcriptional activity.</p>
References:	<ol style="list-style-type: none">1. Baeuerle, P.A. and Henkel, T. (1994) Annu. Rev. Immunol. 12:141-179.2. Baeuerle, P.A. and Baltimore, D. (1996) Cell. 87:13-20.

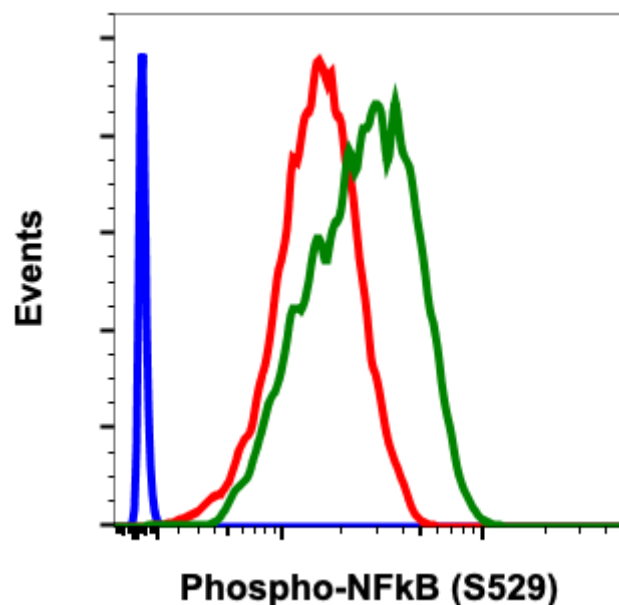


Flow cytometric analysis of HeLa cells secondary antibody only negative control (blue) or untreated (red) or treated with TNF α + calyculin A (green) using Phospho-NFkB p65 (Ser529) antibody NFkBp65S529-H3 at 0.01 μ g/mL. Cat. #2406.



	IgG	Treatment	Peptide Block	Median : BL1-A
	H3	IFN α IL4Pv	Non-Phos.	1992
	H3	Ctrl	Non-Phos.	674
	H3	IFN α IL4Pv	Phospho.	478
	H3	Ctrl	Phospho.	311
	H3	IFN α IL4Pv	-	2478
	H3	Ctrl	-	790
	2' only	Ctrl	-	289

Peptide blocking flow cytometric analysis of HeLa cells secondary antibody only negative control (light blue) or untreated (red) or treated with TNF α + calyculin A (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-NFkB p65 (Ser529) antibody NFkBp65S529-H3 at 0.01 μ g/mL. Cat. #2406.



Flow cytometric analysis of C2C12 cells secondary antibody only negative control (blue) or treated with imatinib (red) or with pervanadate (green) using Phospho-NFkB p65 (Ser529) antibody NFkBp65S529-H3 at 1 μ g/mL. Cat. #2406.