Phospho-NFkB p65 (Ser529) (A2) rabbit mAb

www.abwizbio.com
Support: info@abwizbio.com
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Catalog: #2401 **Store at:** -20ºC

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

Applications	Detection	Clonality	Isotype
WB	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

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.

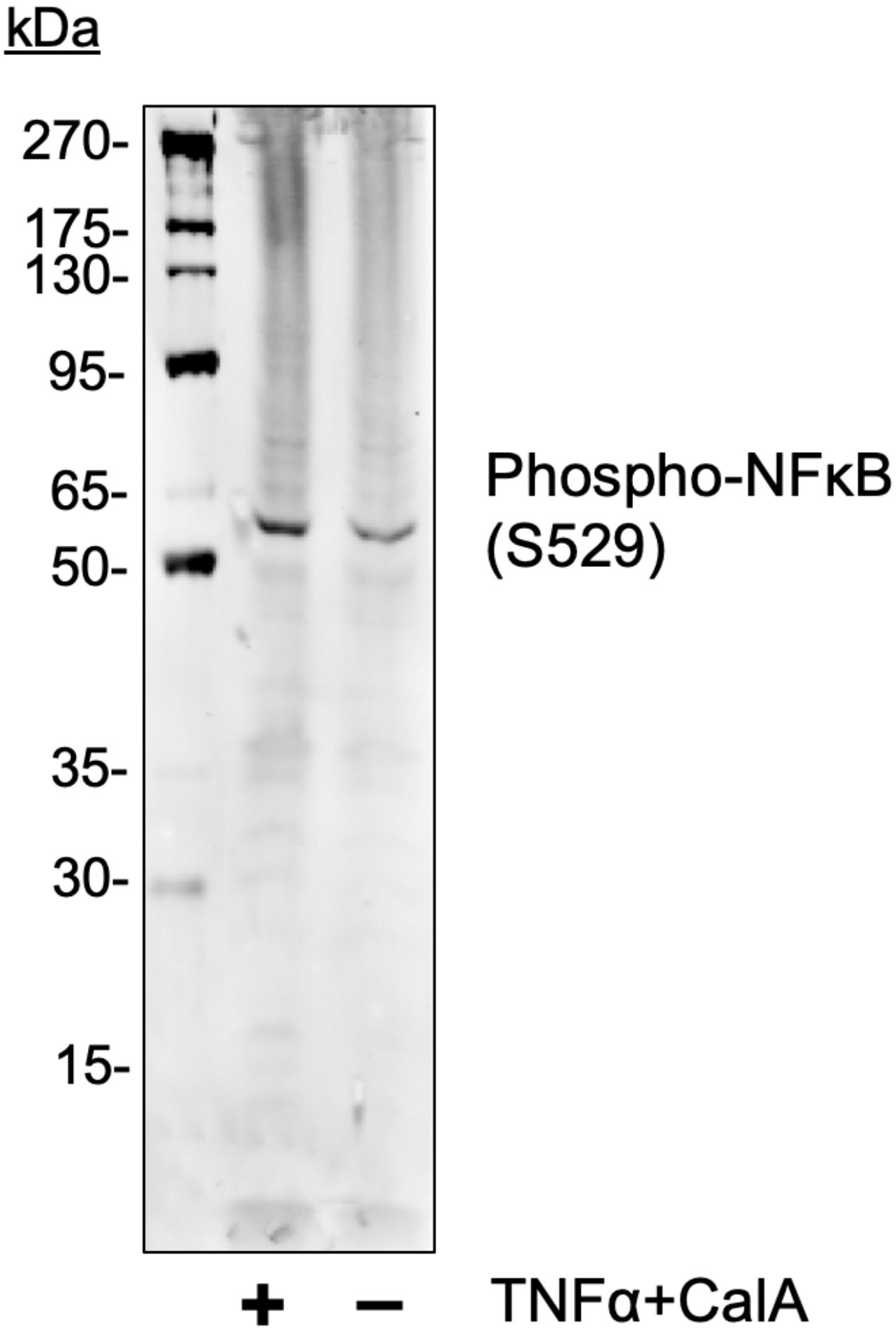
Immunogen: A synthetic phospho-peptide corresponding to residues surrounding Ser529 of human phospho-NFKB p65

Description: 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. NFkB is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFkB1/p105, NFkB1/p50, REL and NFkB2/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. NFkB Ser536 phosphorylation stimulates Lys310 acetylation and interaction of phospho NFkB with CBP. Acetylated/phospho NFkB induces enhanced transcriptional activity.

References:

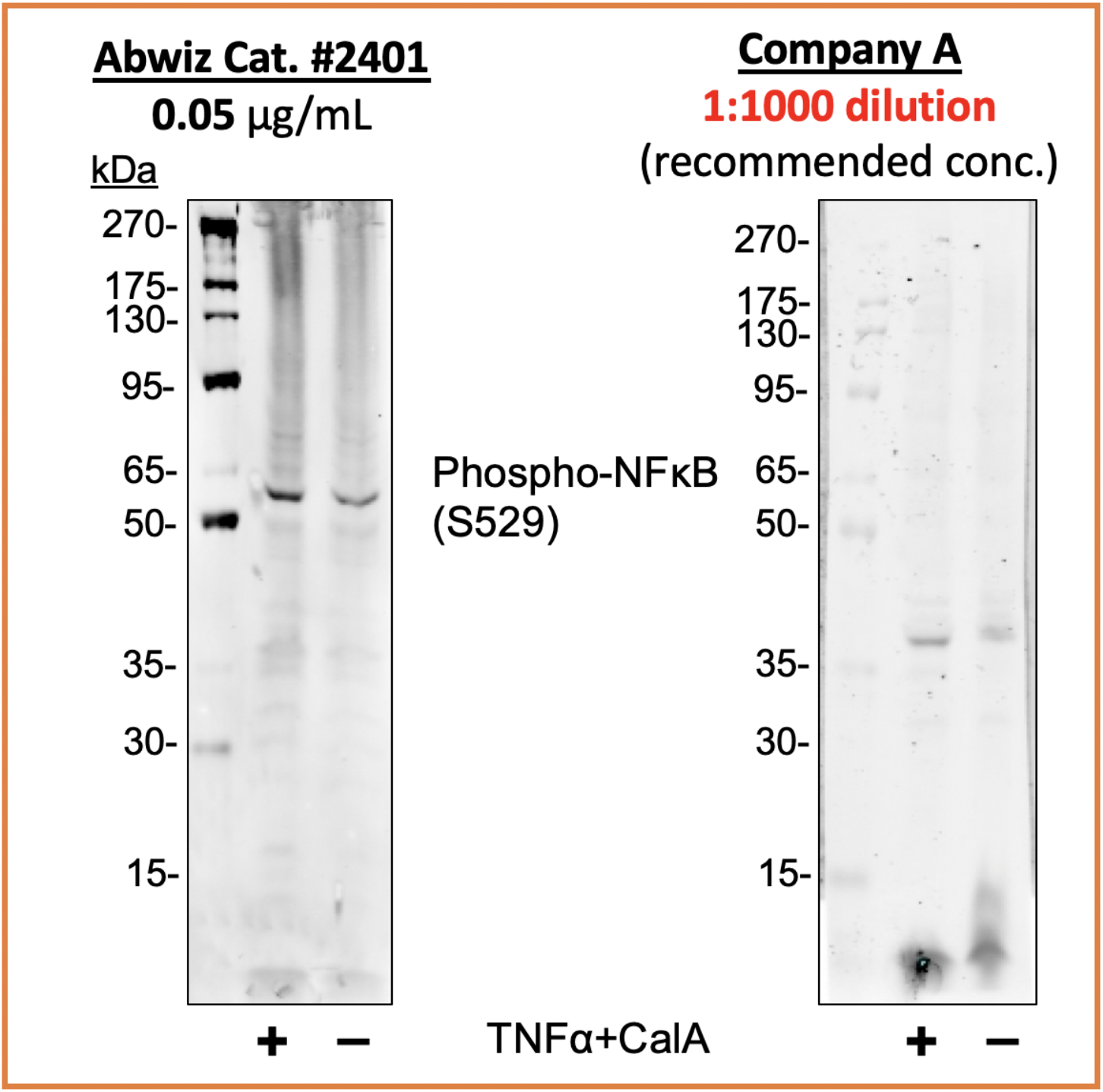
1. Baeuerle, P.A. and Henkel, T. (1994) Annu. Rev. Immunol. 12:141-179.
2. Baeuerle, P.A. and Baltimore, D. (1996) Cell. 87:13-20.

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Western blot analysis of NIH3T3 cell extract untreated or treated with TNFα and calyculin A using Phospho-NFkB p65 (Ser529) antibody NFkBS529-A2 at 0.05 µg/mL. Cat. #2401.



Western blot analysis of NIH3T3 cell extract untreated or treated with TNFα + calyculin A using 0.05 µg/mL Phospho-NFkB p65 (Ser529) antibody NFkBS529-A2 or Company A antibody at 1:1000 dilution (manufacturer's recommended concentration) developed using the same exposure.

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