

12-4315: Phospho-NFkB p65 (Ser529) (Clone: A2) rabbit mAb

Clonality :	Monoclonal
Clone Name :	NFkBp65S529-A2
Application :	WB
Reactivity :	Human, Mouse
Conjugate :	Unconjugated
Format :	Purified
Alternative Name :	Transcription factor p65, Nuclear factor NF-kappa-B p65 subunit, Nuclear factor of kappa light polypeptide gene enhancer in B-cells 3, RELA, NFkB3
Isotype :	Rabbit IgG1k
Immunogen Information :	A synthetic phospho-peptide corresponding to residues surrounding Ser529 of human phospho-NFkB p65

Description

The nuclear factor kB (NFkB)/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 kB sites in the target gene DNA. Individual dimers have distinct preferences for different kB 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.

Product Info

Amount :	20 µl / 200 µl
Content :	1X PBS, 0.02% NaN ₃ , 50% Glycerol, 0.1% BSA
Storage condition :	Store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

1Âµg/mL - 0.001Âµg/mL. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.(0.5mg/ml, more than 200 western blots)

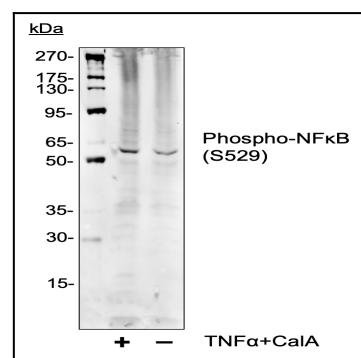


Fig-1: Western blot analysis of NIH3T3 cell extract untreated or treated with TNFα and calyculin A using Phospho-NFkB p65 (Ser529) antibody NFkBBS529-A2 at 0.05 µg/mL.

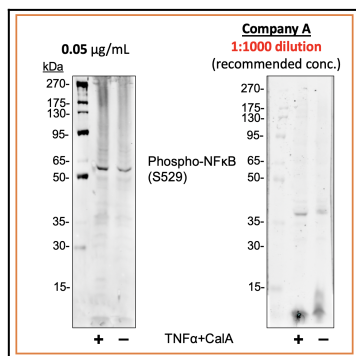


Fig 2 : Western blot analysis of NIH3T3 cell extract untreated or treated with TNF α + calyculin A using 0.05 μ g/mL Phospho-NF κ B p65 (Ser529) antibody NF κ BS529-A2 or Company A antibody at 1:1000 dilution (manufacturer's recommended concentration) developed using the same exposure.