

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

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| Clonality : | Monoclonal |
| Clone Name : | NFκBp65S529-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, NFκB3 |
| Isotype : | Rabbit IgG1κ |
| Immunogen Information : | A synthetic phospho-peptide corresponding to residues surrounding Ser529 of human phospho-NFκB 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. 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.

Product Info

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| 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

1 μg/mL - 0.001 μg/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)

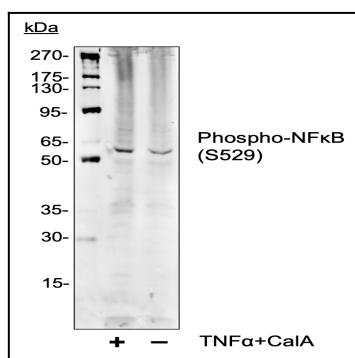


Fig-1: Western blot analysis of NIH3T3 cell extract untreated or treated with TNFα and calyculin A using Phospho-NFκB p65 (Ser529) antibody NFκBS529-A2 at 0.05 μg/mL.

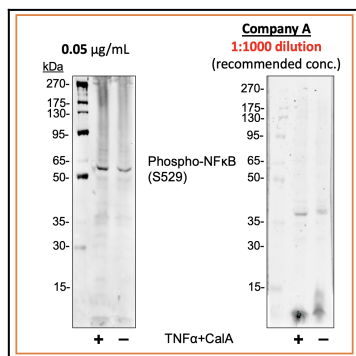


Fig 2 : Western blot analysis of NIH3T3 cell extract untreated or treated with TNFα + calyculin A using 0.05 µg/mL Phospho-NFκB p65 (Ser529) antibody NFκBS529-A2 or Company A antibody at 1:1000 dilution (manufacturer's recommended concentration) developed using the same exposure.