



## Rabbit Anti-Phospho NF- $\kappa$ B p65 (Ser276) Polyclonal Antibody Datasheet

**Product Name:** pAb Rabbit anti-Phospho NF- $\kappa$ B p65 (Ser276)    **Catalogue No.:** AI70007A    **Quantity:** 0.1 mg/vial

**Description:** Rabbit anti-Serine276 phosphorylated NF- $\kappa$ B p65 polyclonal antibody

**Purification:** Protein G affinity purified

**Product Type:** Primary antibody

**Target Protein:** Serine 276 phosphorylated NF- $\kappa$ B p65

**Immunogen:** A synthetic peptide (QLRRPS<sub>p</sub>DRELS) derived from Serine 276 phosphorylated NF- $\kappa$ B p65, conjugated with KLH for immunization.

**Specificity:** This antibody is reactive to the synthetic NF- $\kappa$ B p65 peptide (QLRRPS<sub>p</sub>DRELS).

**Species Reactivity:** Mouse, human and other species with consensus serine 276 phosphorylated NF- $\kappa$ B p65 peptide (QLRRPS<sub>p</sub>DRELS)

**Host:** Rabbit

**Formulation:** Lyophilized in pH 7.4, 0.01M PBS

**Reconstitution:** Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

**Storage:** Store at -20°C

**Research Area:** Life science research, stem cell factor signalling, cancer research

**Background:** NF- $\kappa$ B (nuclear factor kappa-light-chain-enhancer of activated B cells) is a transcription factor that controls the transcription of many genes that are associated with immuno-response, anti-apoptosis, neuroplasticity and memory. There are five NF- $\kappa$ B proteins in mammals: RelA(NF- $\kappa$ B p65), RelB, c-Rel, NF- $\kappa$ B (NF- $\kappa$ B p105), and NF- $\kappa$ B2 (NF- $\kappa$ B p100). They form a variety of homodimers and heterodimers, each of which activates its own distinctive set of genes. P65 has been shown to be involved with DNA binding. Mitogen and stress activated protein kinase phosphorylates NF- $\kappa$ B p65 at serine 276 and controls stem cell factor expression in inflammation.

**Applications:** **ELISA:** The antibody (approx. 1:500,000 -1:2,000,000 diluted) can detect the serine 276 phosphorylated NF- $\kappa$ B p65 peptide coated on ELISA plate.

Other applications have not been evaluated.

**References:** If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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