

Rabbit anti-Human NFkB p65 phospho Ser529 Polyclonal Antibody | anti-NFkB antibody

NFkB p65 phospho Ser529 antibody (pAb)

CATALOG # AAA59917	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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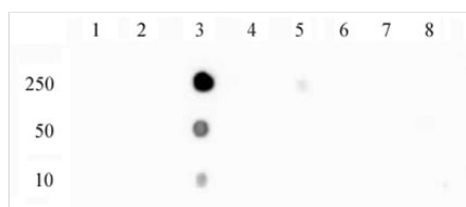
PRODUCT SYNONYMS

NFkB p65 phospho Ser529; Polyclonal Antibody; NFkB p65 phospho Ser529 antibody (pAb); RELA; p65; NFkB3; anti-NFkB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Purified IgG in 70mM Tris (pH8), 105mM NaCl, 31mM glycine, 0.07mM EDTA, 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-NFkB antibody	WB (Western Blot)
Conjugation	Phosphorylated
Immunogen	This NFkB p65 phospho Ser529 antibody was raised against a peptide containing phospho-serine 529 of human NFkB p65.
Abs Residue	Ser
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



DB (Dot Blot)

NFkB p65 phospho Ser529 pAb tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of NFkB p65 phospho Ser529 pAb for NFkB p65 phosphorylated at serine 529. Phosphorylated peptides corresponding to the immunogen and related peptides were spotted onto PVDF and probed with NFkB p65 phospho Ser529 pAb at 1:5,000. The amount of peptide (picomoles) spotted is indicated next to each row. Lane 1: phospho Ser276 NFkB p65 peptide. Lane 2: unmodified peptide surrounding Ser276 NFkB p65 peptide. Lane 3: phospho Ser529 NFkB p65 peptide. Lane 4: unmodified peptide surrounding Ser529 NFkB p65. Lane 5: phospho Ser536 NFkB p65 peptide. Lane 6: unmodified peptide surrounding Ser536 NFkB p65. Lane 7: phospho Ser337 NFkB p50 peptide. Lane 8: unmodified peptide surrounding Ser337 NFkB p50.



WB (Western Blot)

NFkB p65 phospho Ser529 pAb tested by Western blot. HeLa cell extract (20 ug per lane) probed with either NFkB p65 phospho Ser529 pAb (1:1,000 dilution). Lane 1: extract derived from untreated cells. Lane 2: extract derived from cells treated with TNF-a and Calyculin.

ADDITIONAL INFORMATION

Related Product Information for anti-NFkB antibody	Short Description: Our NFkB p65 phospho Ser529 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Western blot; it has been shown to react with Human samples. Background: NFkB p65 (Nuclear factor NF-kappa-B p65 subunit also known as NFkB p65 or RelA) is a member of the Rel family of transcription factors that are involved in processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. The Rel family includes c-Rel, RelA (NFkB p65, NFkB3) and RelB (I-Rel). Rel proteins form dimers with the NFkB p50 (proteolytically processed from p105/NFkB1) and p52 (proteolytically processed from p100/NFkB2) members of the NFkB family that bind DNA and activate transcription. The NFkB p65/p50 heterodimer is the most abundant form of NFkB. NFkB signaling is negatively regulated by the sequestration of the NFkB complex in the cytoplasm by its association with the Ikb family of inhibitory proteins. The Ikb Kinase (IKK) complex is the key enzyme involved in the activation and translocation of NFkB. The IKK complex is composed of two catalytic subunits (IKKa and IKKb) and a regulatory subunit (IKKg). Upon its activation, the IKK complex phosphorylates Ikb proteins (IkbA, IkbA phospho Ser32, 36), which marks them for ubiquitination and degradation. This enables the NFkB complex to translocate to the nucleus where it regulates transcription by binding to DNA.
Product Categories/Family for anti-NFkB antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	223468676
NCBI GeneID	5970
NCBI Accession #	NP_068810; AB_2793307
NCBI GenBank Nucleotide #	NM_021975
UniProt Accession #	Q04206
Molecular Weight	60kDa
NCBI Official Full Name	transcription factor p65 isoform 1
NCBI Official Synonym Full Names	RELA proto-oncogene, NF-kB subunit
NCBI Official Symbol	RELA
NCBI Official Synonym Symbols	p65; CMCU; NFkB3
NCBI Protein Information	transcription factor p65
UniProt Protein Name	Transcription factor p65
UniProt Gene Name	RELA
UniProt Synonym Gene Names	NFkB3
UniProt Entry Name	TF65_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nfkb-p65-phospho-ser529-antibody-western-blot-elisa/59917>