Rabbit anti-Human, mouse Phospho-NFKB (S536) Polyclonal Antibody | anti-RELA antibody

Phospho-NFKB (S536) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288691	**Rabbit**	**Human, mouse**	**Immunohistochemistry, ELISA, Western Blot**

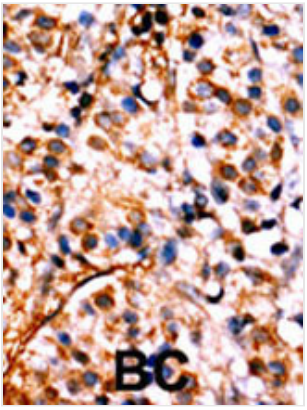
PRODUCT SYNONYMS

Phospho-NFKB (S536); Polyclonal Antibody; Phospho-NFKB (S536) Antibody; Transcription factor p65; Nuclear factor NF-kappa-B p65 subunit; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 3; RELA; NFKB3; anti-RELA antibody

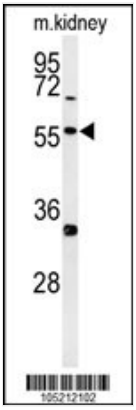
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NFKB Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S536 of human NFKB.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.27 (varies by lot)
Sequence Length	548
Applicable Applications for anti-RELA antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of Phospho-NFKB-S536(M) in mouse kidney tissue lysates (35ug/lane). NFKB (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-RELA antibody	NFKB1 or NFKB2 is bound to REL, RELA, or RELB to form the NFKB complex. The p50 (NFKB1)/p65 (RELA) heterodimer is the most abundant form of NFKB. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB), which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA or IKBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NFKB complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).
Product Categories/Family for anti-RELA antibody	Crown Antibodies
References	Zamora, M., et al., J. Biol. Chem. 279(37):38415-38423 (2004). Jeong, S.J., et al., Blood 104(5):1490-1497 (2004). Bohuslav, J., et al., J. Biol. Chem. 279(25):26115-26125 (2004). Yeh, P.Y., et al., J. Biol. Chem. 279(25):26143-26148 (2004). Jang, H.D., et al., J. Biol. Chem. 279(23):24873-24880 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	223468681
NCBI GeneID	5970
NCBI Accession #	NP_001138610.1; NP_001230913.1; NP_068810.3
NCBI GenBank Nucleotide #	NM_001145138.1
UniProt Accession #	Q04206; Q6GTV1; Q6SLK1
Molecular Weight	60219
NCBI Official Full Name	transcription factor p65 isoform 2
NCBI Official Synonym Full Names	v-rel avian reticuloendotheliosis viral oncogene homolog A
NCBI Official Symbol	RELA
NCBI Official Synonym Symbols	p65; 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://www.aaabiotech.com/polyclonal/phospho-nfkb-s536-antibody-immunohistochemistry-western-blot-elisa/288691