

AB-PN634

NFKB1-pS903+pS907 Antibody

Phosphosite-specific rabbit polyclonal antibody for NFKB1



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Target Protein

Protein Name Long:	Nuclear factor NF-kappa-B p105 subunit
Protein Alias:	DNA-binding factor KBF1; EBP-1; KBF1; NF-kappaB; NF-kappa-B1 p84/NF-kappa-B1 p98; NFKB1; NFkB-p50; Nuclear factor NF-kappa-B p50 subunit; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1; P105; P50
UniProt ID:	P19838
Protein Molecular Mass:	105,356 Da (968 AA)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human NFKB1
Antibody Immunogen Sequence:	CSQAH(pS)LPL(pS)PAS
Antibody Immunogen Description:	Corresponds to amino acid residues S899 to S910. S903 phosphorylation promotes protein proteolysis. This is one of the major <i>in vivo</i> phosphorylation sites in NFKB1 (≥30 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). NFKB1 is known to be phosphorylated at this site <i>in vitro</i> by GSK3b.
Antibody Target Type:	Phosphosite-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipепptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Chimpanzee Rhesus macaque

This product is for *in vitro* research use only and is not intended for use in humans or animals.

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