

#11312

NFκB-p105/p50 (Phospho-Ser927) Antibody



Catalog: #11312-1 50μl **Orders:** order@signalwayantibody.com
#11312-2 100μl **Support:** tech@signalwayantibody.com
Storage: Store at -20°C/1 year **Web:** www.signalwayantibody.com

Application	Species Reactivity	Source	Molecular Wt.
WB IHC IF	Human Mouse Rat	Rabbit Polyclonal Ab	50 120KD

Description: Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Specificity: The antibody detects endogenous level of NFκB-p105/p50 only when phosphorylated at serine 927.

Immunogen: Peptide sequence around phosphorylation site of serine 927 (C-D-S(p)-G-V) derived from Human NFκB-p105.

Formulation: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

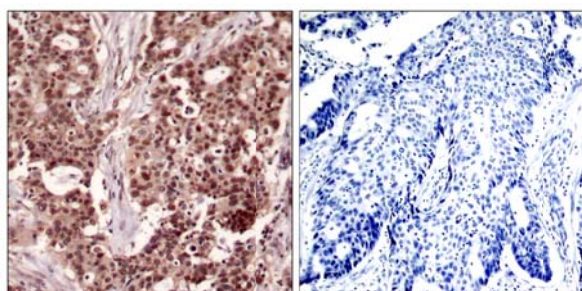
Synonyms: DNA-binding factor KBF1 EBP-1 NF-kappa-B1
p84/NF-kappa-B1 p98 NFKB1 NFκB-p50

Accession No.: Swiss-Prot#: P19838 NCBI Gene#: 4790
NCBI Protein#: NP_001158884.1

Background: NF-kappa-B is a pleiotropic transcription factor which is present in almost all cell types and is involved in many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NF-kappa-B is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFKB1/p105, NFKB1/p50, REL and NFKB2/p52 and the heterodimeric p65-p50 complex appears to be most abundant one. The dimers bind at kappa-B sites in the DNA of their target genes and the individual dimers have distinct preferences for different kappa-B sites that they can bind with distinguishable affinity and specificity. Different dimer combinations act as transcriptional activators or repressors, respectively.

References:

Hou S, et al. (2003) J Biol Chem. 278(46): 45994-45998.
Baeuerle P A, et al. (1994) Annu Rev Immunol. 12:141-179.
Baeuerle P A, et al. (1996) Cell 87:13-20.
Haskill S, et al. (1991) Cell 65:1281-1289.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using NFκB-p105/p50 (Phospho-Ser927) Antibody #11312 (left) or the same antibody preincubated with blocking peptide (right).

Citation: If you publish research using #11312 please [let us know](#).

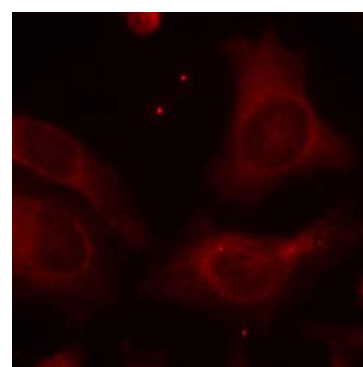
Related Pathway: NF-kappa B, Cancer/Apoptosis, Chromatin/Transcription

Note: For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

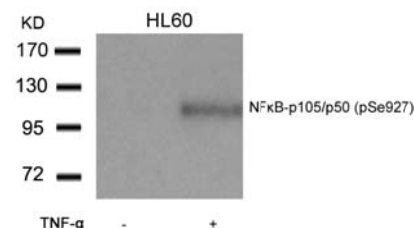
This product is for in vitro research use only and is not intended for use in humans or animals.

Recommended Dilutions:

Western blotting 1:500~1:1000
Immunohistochemistry 1:50~1:100
Immunofluorescence 1:100~1:200



Immunofluorescence staining of methanol-fixed HeLa cells using NFκB-p105/p50 (Phospho-Ser927) Antibody #11312.



Western blot analysis of extracts from HL60 cells untreated or treated with TNF-α using NFκB-p105/p50 (Phospho-Ser927) Antibody #11312.