

## NFkB-p105/p50(Ab-337) Antibody

Catalog No: #21017

Package Size: #21017-1 50ul #21017-2 100ul

## Description

|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | NFkB-p105/p50(Ab-337) Antibody                                                                                                                                                |
| Host Species          | Rabbit                                                                                                                                                                        |
| Clonality             | Polyclonal                                                                                                                                                                    |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | WB IHC                                                                                                                                                                        |
| Species Reactivity    | Hu Ms Rt                                                                                                                                                                      |
| Specificity           | The antibody detects endogenous level of total NFkB-p105/p50 protein.                                                                                                         |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description | Peptide sequence around aa.335~339 (R-K-S-D-L) derived from Human NFkB-p105.                                                                                                  |
| Conjugates            | Unconjugated                                                                                                                                                                  |
| Target Name           | NFkB-p105/p50                                                                                                                                                                 |
| Other Names           | DNA-binding factor KBF1; EBP-1; NF-kappa-B1 p84/NF-kappa-B1 p98; NFkB1; NFkB-p50                                                                                              |
| Accession No.         | Swiss-Prot: P19838NCBI Protein: NP_001158884.1                                                                                                                                |
| Concentration         | 1.0mg/ml                                                                                                                                                                      |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                     |

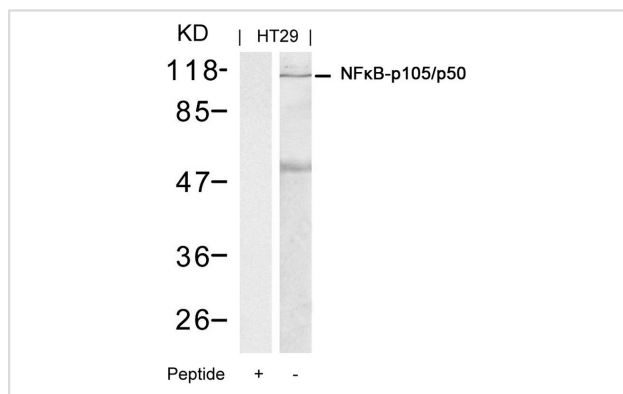
## Application Details

Predicted MW: 50 120 kd

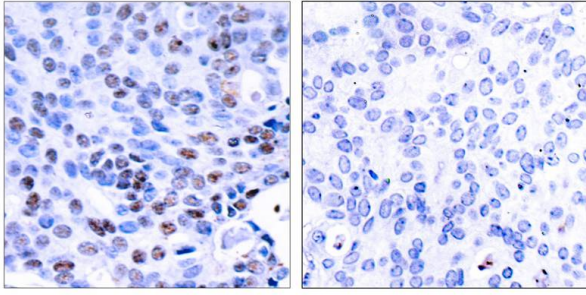
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from HT29 cells using NFkB-p105/p50(Ab-337) Antibody #21017 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using NFkB-p105/p50(Ab-337) Antibody #21017(left) or the same antibody preincubated with blocking peptide(right).

## 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. 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.

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.

## Published Papers

et al., The antisense lncRNA of TAB2 that prevents oxidative stress to enhance the follicular growth in mammals. In Commun Biol on 2024 Oct 2 by Nian Li, Bing Yun, et al.. PMID:39358475, , (2024)

[PMID:39358475](#)

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