

# NFkB-p100(Ab-872) Antibody

Catalog No: #21297

Package Size: #21297-1 50ul #21297-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | NFkB-p100(Ab-872) 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 IF                                                                                                                                                                     |
| Species Reactivity    | Hu Ms Rt                                                                                                                                                                      |
| Specificity           | The antibody detects endogenous level of total NFkB-p100 protein.                                                                                                             |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description | Peptide sequence around aa.870~874 (S-Q-S-V-E) derived from Human NFkB-p100.                                                                                                  |
| Conjugates            | Unconjugated                                                                                                                                                                  |
| Target Name           | NFkB-p100                                                                                                                                                                     |
| Other Names           | DNA-binding factor KBF2; H2TF1; Lymphocyte translocation chromosome 10; Lyt10; NFkB2                                                                                          |
| Accession No.         | Swiss-Prot: Q00653NCBI Protein: NP_001070961.1                                                                                                                                |
| 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

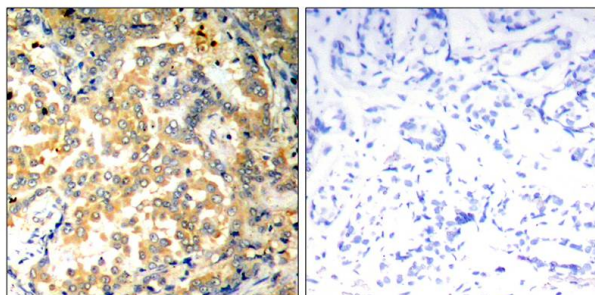
Predicted MW: 120 kd

Western blotting: 1:500~1:1000

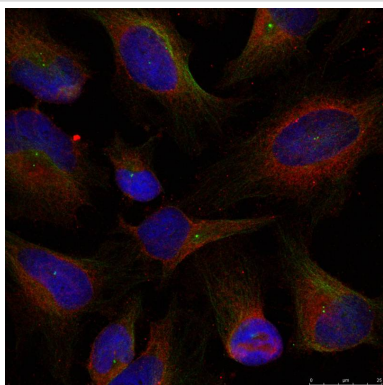
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

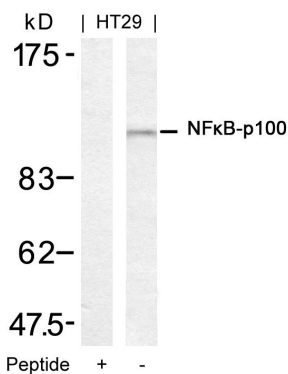
## Images



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using NFkB-p100/p52(Ab-872) Antibody #21297(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using NFκB-p100(Ab-872) Antibody #21297.



Western blot analysis of extracts from HT29 cells using NFκB-p100(Ab-872) Antibody #21297 and the same antibody preincubated with blocking peptide.

## Background

NF-κappa-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-κappa-B is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFκB1/p105, NFκB1/p50, REL and NFκB2/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.

Shin HM, et al. (2006) EMBO J; 25(1): 129-138.

Li Q, et al. (2005) Proc Natl Acad Sci USA; 102(35): 12425-12430.

Chen C, et al. (2000) Mol Cell Biol; 20(8): 2687-2695.

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