

## Basic Information

<b>Product Name</b>	Anti-NFkB/NFKB1 p105/p50 Antibody (Clone#ID-14)
<b>Gene Name</b>	NFKB1
<b>Source</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Species Reactivity</b>	human, mouse, rat
<b>Tested Application</b>	WB, IHC
<b>Contents</b>	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
<b>Immunogen</b>	A synthesized peptide derived from human NFkB/NFKB1 (p105/p50)
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Affinity-chromatography
<b>Observed MW</b>	105, 50 kDa
<b>Dilution Ratios</b>	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC):1:50-200

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

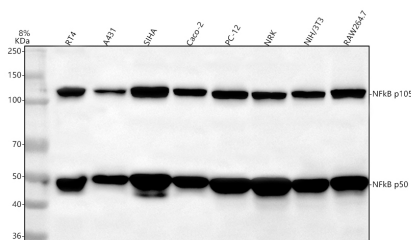
## Background Information

Nuclear factor NF-kappa-B p105 subunit, also called EBP-1 is a protein that in humans is encoded by the NFKB1 gene. By fluorescence in situ hybridization, the gene was assigned to human chromosome 4q24. NF-kappa-B is a pleiotropic transcription factor present in almost all cell types and is the endpoint of a series of signal transduction events that are initiated by a vast array of stimuli related to many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NFKB1 appears to have dual functions such as cytoplasmic retention of attached NF-kappa-B proteins by p105 and generation of p50 by a cotranslational processing.

## Reference

Anti-NFkB/NFKB1 p105/p50 Antibody (Clone#ID-14)被引用在8文献中。

## Selected Validation Data



Western blot analysis of NFkB/NFKB1 p105/p50 using anti-NFkB/NFKB1 p105/p50 antibody (BM3946). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human RT4 whole cell lysates,

Lane 2: human A431 whole cell lysates,

Lane 3: human SiHa whole cell lysates,

Lane 4: human Caco-2 whole cell lysates,

Lane 5: rat PC-12 whole cell lysates,

Lane 6: rat NRK whole cell lysates,

Lane 7: mouse NIH/3T3 whole cell lysates,

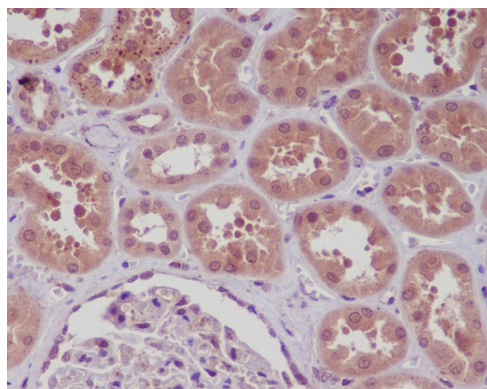
Lane 8: mouse RAW264.7 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-NFkB/NFKB1 p105/p50 antigen affinity purified monoclonal antibody (BM3946) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP

secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A

specific band was detected for NFkB/NFKB1 p105/p50 at approximately 105, 50 kDa. The expected band size for NFkB/NFKB1 p105/p50 is at 105, 50 kDa.



Immunohistochemical analysis of paraffin-embedded human kidney, using NF-kB p105/p50 Antibody.

Product datasheet

**Anti-NFkB/NFKB1 p105/p50 Antibody  
(Clone#ID-14)**

**Catalog Number: BM3946**



antibody and ELISA experts

**BOSTER BIOLOGICAL TECHNOLOGY**

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,  
East Lake High-Tech Development Zone, Wuhan.

**Web:** [www.boster.com](http://www.boster.com) **Phone:** 027-67845390/1/2 **Email:** [boster@boster.com](mailto:boster@boster.com)