

## Anti-NFkB/NFKB1 p105/p50 Antibody

Catalog Number: PA2111

### About Nfkb1

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.

### Overview

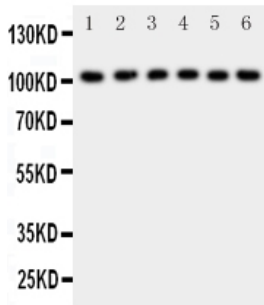
|                      |   |
|----------------------|---|
| Product Name         | Anti-NFkB/NFKB1 p105/p50 Antibody   |
| Reactive Species     | Human, Mouse, Rat   |
| Description          | Boster Bio Anti-NFkB/NFKB1 p105/p50 Antibody catalog # PA2111. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.  |
| Application          | WB  |
| Clonality            | Polyclonal  |
| Formulation          | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.  |
| Storage Instructions | Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles. |
| Host                 | Rabbit  |
| Uniprot ID           | P25799  |

### Technical Details

|                               |   |
|-------------------------------|---|
| Immunogen                     | A synthetic peptide corresponding to a sequence at the C-terminus of mouse NFkB/NFKB1 p105/p50, identical to the related rat sequence, and different from the related human sequence by one amino acid. |
| Predicted Reactive Species    | Hamster   |
| Recommended Detection Systems | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.   |
| Cross Reactivity              | No cross-reactivity with other proteins   |
| Isotype                       | Rabbit IgG  |
| Form                          | Lyophilized   |

|                     |  |
|---------------------|--|
| Concentration       | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.  |
| Purification        | Immunogen affinity purified.   |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p> |

## Anti-NFkB/NFKB1 p105/p50 Antibody (PA2111) Images



Anti-NFkB p105/p50 antibody, PA2111, Western blotting  
All lanes: Anti NFkB p105/p50 (PA2111) at 0.5ug/ml  
Lane 1: Rat Liver Tissue Lysate at 50ug  
Lane 2: Rat Spleen Tissue Lysate at 50ug  
Lane 3: Rat Testis Tissue Lysate at 50ug  
Lane 4: HELA Whole Cell Lysate at 40ug  
Lane 5: A431 Whole Cell Lysate at 40ug  
Lane 6: JURKAT Whole Cell Lysate at 40ug  
Predicted bind size: 50KD  
Observed bind size: 105KD

## 12 Publications Citing This Product

1. PubMed ID: 27413418, Hydrogen Sulfide Mitigates Kidney Injury in High Fat Diet-Induced Obese Mice
2. PubMed ID: 25269519, Liu Mw, Wang Yh, Qian Cy, Li H. Int J Mol Med. 2014 Dec;34(6):1492-504. Doi: 10.3892/Ijmm.2014.1943. Epub 2014 Sep 23. Xuebijing Exerts Protective Effects On Lung Permeability Leakage And Lung Injury By Upregulating Toll-Interacting Protein Expres...
3. PubMed ID: 20103064, Li Y, Chen Y, Zhang J, Zhu Jf, Liu Zj, Liang Sy, Sun K, Liao Wy, Gong Jp. Am J Surg. 2010 Jan;199(1):35-42. Doi: 10.1016/J.Amsurg.2008.11.039. Protective Effect Of Glutamine-Enriched Early Enteral Nutrition On Intestinal Mucosal Barrier Injury Af...

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