

## Mouse NFkB p65 Monoclonal Antibody | anti-NFkB antibody

NFkB p65 Mouse mAb

| CATALOG # | HOST  | REACTIVITY        | APPLICATIONS                                                                |
|-----------|-------|-------------------|-----------------------------------------------------------------------------|
| AAA276820 | Mouse | Human, Rat, Mouse | Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Western Blot |

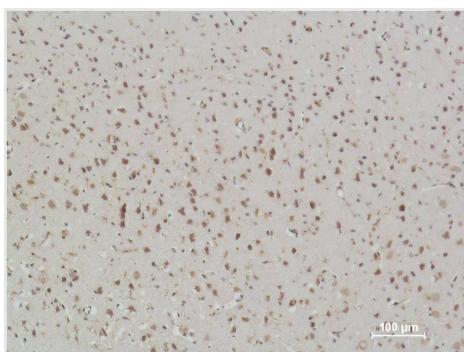
### PRODUCT SYNONYMS

NFkB p65; Monoclonal Antibody; NFkB p65 Mouse mAb; NFkB3; p65; RELA; Transcription factor p65; anti-NFkB antibody

### PRODUCT SPECIFICATIONS

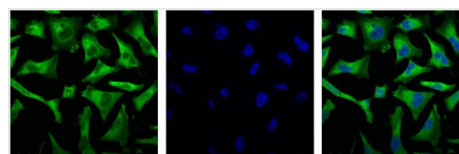
|                                                |                                                                                                  |
|------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                            |
| Reactivity                                     | Human, Rat, Mouse                                                                                |
| Clonality                                      | Monoclonal                                                                                       |
| Isotype                                        | IgG1                                                                                             |
| Form/Format                                    | PBS with 0.02% sodium azide and 50% glycerol pH7.4.                                              |
| Concentration                                  | 1mg/ml (varies by lot)                                                                           |
| Applicable Applications for anti-NFkB antibody | IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Species                                        | Human                                                                                            |
| Immunogen                                      | Recombinant Protein                                                                              |
| Preparation and Storage                        | Store at -20 degree C. Avoid repeated freeze-thaw cycles.                                        |

### IMAGES



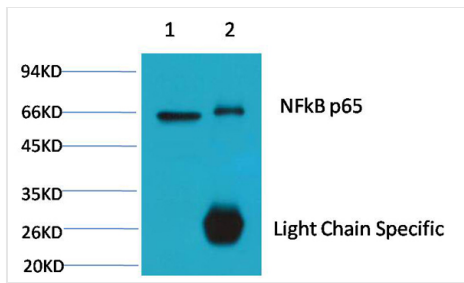
#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using NFkB p65 (EM1111) Mouse mAb diluted at 1:500.



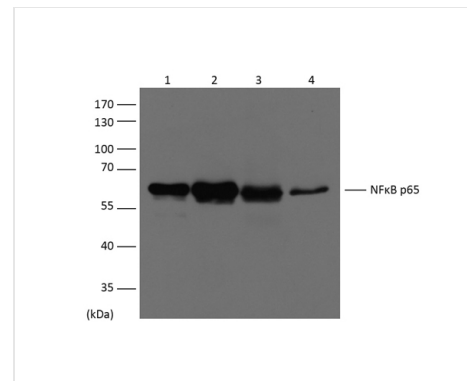
#### IF (Immunofluorescence)

IF analysis of HeLa with EM1111 (Left) and DAPI (Right) diluted at 1:100.



#### Application Data

1. Input: HeLa Cell Lysate 2. IP product: IP dilute 1:200 Western blot analysis: primary antibody : EM1111 1:2,000 Secondary antibody: Goat anti-Mouse IgG, Light chain specific(S003), 1:5,000



#### WB (Western Blot)

Western blot analysis of extracts from HeLa (Lane 1), MCF-7 (Lane 2), Mouse Liver (Lane 3), Rat Kidney (Lane 4), using NFkB p65 diluted at 1:1,500.

## ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-NFkB antibody</b> | NFkB p65 is ubiquitinated leading to its proteosomal degradation, which is required for termination of the NFkB response. Phosphorylation of NFkB p65 on S536 stimulates acetylation of K310 by CBP, enhancing transcriptional activity. NFkB p65 is also acetylated at K122, enhancing DNA binding and impairing the interaction with NFkBIA. The protein is deacetylated by HDAC3. Invasion of a host by a pathogen is frequently associated with the activation of NF-kB, which coordinates various aspects of immune function required for resistance to infection. |
| <b>Product Categories/Family for anti-NFkB antibody</b>   | Cytoplasm; Nucleus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                                                             |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | 223468681                                                                                                                                                   |
| <b>NCBI GeneID</b>                      | 5970                                                                                                                                                        |
| <b>NCBI Accession #</b>                 | NP_001138610.1                                                                                                                                              |
| <b>NCBI GenBank Nucleotide #</b>        | NM_001145138.1                                                                                                                                              |
| <b>UniProt Accession #</b>              | Q04206; Q6GTV1; Q6SLK1                                                                                                                                      |
| <b>Molecular Weight</b>                 | 60,219 Da                                                                                                                                                   |
| <b>NCBI Official Full Name</b>          | transcription factor p65 isoform 2                                                                                                                          |
| <b>NCBI Official Synonym Full Names</b> | v-rel reticuloendotheliosis viral oncogene homolog A (avian)                                                                                                |
| <b>NCBI Official Symbol</b>             | RELA                                                                                                                                                        |
| <b>NCBI Official Synonym Symbols</b>    | p65; NFKB3                                                                                                                                                  |
| <b>NCBI Protein Information</b>         | transcription factor p65; NF-kappa-B p65delta3; nuclear factor NF-kappa-B p65 subunit; nuclear factor of kappa light polypeptide gene enhancer in B-cells 3 |
| <b>UniProt Protein Name</b>             | Transcription factor p65                                                                                                                                    |
| <b>UniProt Gene Name</b>                | RELA                                                                                                                                                        |
| <b>UniProt Synonym Gene Names</b>       | NFKB3                                                                                                                                                       |
| <b>UniProt Entry Name</b>               | TF65_HUMAN                                                                                                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.