

# Mouse anti-Human NFkappaB-p105/p50 Monoclonal Antibody | anti-NFkappaB-p105/p50 antibody

NFkappaB-p105/p50 Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                                                                         |
|-----------|-------|------------|----------------------------------------------------------------------------------------------------------------------|
| AAA320175 | Mouse | Human      | ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

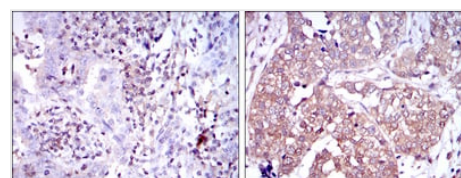
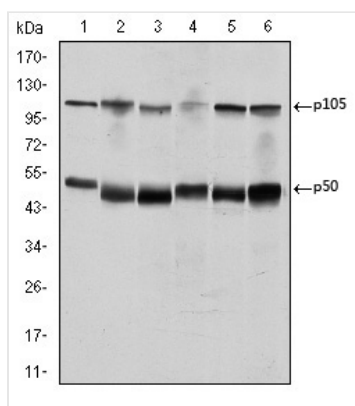
## PRODUCT SYNONYMS

NFkappaB-p105/p50; Monoclonal Antibody; NFkappaB-p105/p50 Monoclonal Antibody; Nuclear factor NF-kappa-B p108 subunit; NFKB1; Nuclear factor NF-kappa-B p105 subunit; DNA-binding factor KBF1; EBP-1; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1; anti-NFkappaB-p105/p50 antibody

## PRODUCT SPECIFICATIONS

|                                                             |                                                                                                                                     |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                        | Mouse                                                                                                                               |
| Reactivity                                                  | Human                                                                                                                               |
| Clonality                                                   | Monoclonal                                                                                                                          |
| Specificity                                                 | NFkappaB-p105/p50 Monoclonal Antibody detects endogenous levels of NFkappaB-p105/p50 protein.                                       |
| Purity/Purification                                         | Affinity purification                                                                                                               |
| Form/Format                                                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                             |
| Applicable Applications for anti-NFkappaB-p105/p50 antibody | ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                                   | Purified recombinant fragment of human NFkappaB-p105/p50 expressed in E coli.                                                       |
| Modification                                                | Unmodified/Total                                                                                                                    |
| Preparation and Storage                                     | Store at -20 degree C/1 year                                                                                                        |

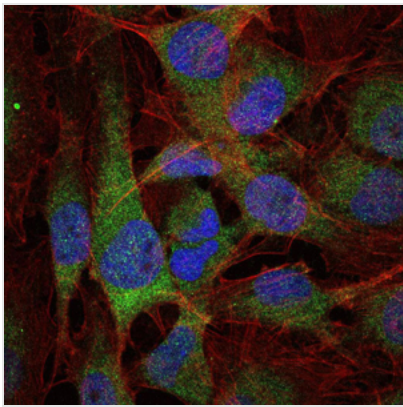
## IMAGES



FCM/FACS (Flow Cytometry)

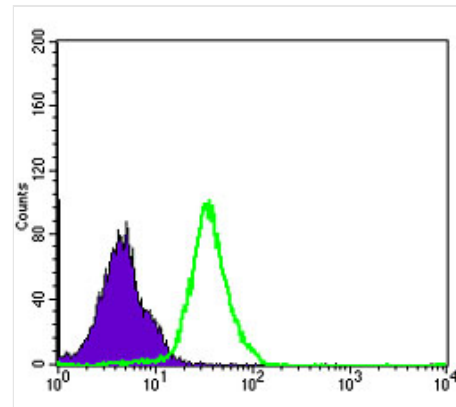
Flow cytometric analysis of MCF-7 cells using NFκB-p105/p50 Monoclonal Antibody (green) and negative control (purple).

Application Data



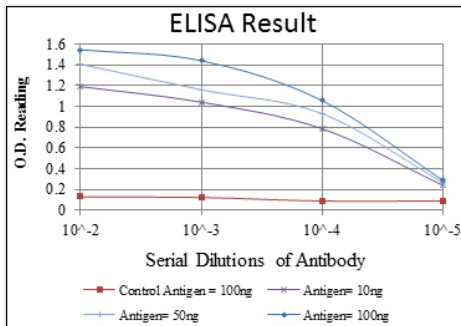
#### IF (Immunofluorescence)

Immunofluorescence analysis of U251 cells using NF $\kappa$ B-p105/p50 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human intima cancer tissues (left) and human bladder cancer tissues (right) with DAB staining using NF $\kappa$ B-p105/p50 Monoclonal Antibody.



#### WB (Western Blot)

Western Blot analysis using NF $\kappa$ B-p105/p50 Monoclonal Antibody against K562 (1), Jurkat (2), A431 (3), HeLa (4), THP-1 (5) and MCF-7 (6) cell lysate.

## ADDITIONAL INFORMATION

### Related Product Information for anti-NFκappaB-p105/p50 antibody

nuclear factor kappa B subunit 1(NFKB1) Homo sapiens This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals,ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Alternative splicing results in multiple transcript variants encoding different isof

### Product Categories/Family for anti-NFκappaB-p105/p50 antibody

Primary Antibodies

## NCBI AND UNIPROT INFORMATION

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| NCBI GI #                 | 259155302                                              |
| NCBI GeneID               | 4790                                                   |
| NCBI Accession #          | NP_001158884.1                                         |
| NCBI GenBank Nucleotide # | NM_001165412.1                                         |
| UniProt Accession #       | P19838; Q68D84; Q86V43; Q8N4X7; Q9NZC0; A8K5Y5; B3KVE8 |
| Molecular Weight          | 105,356 Da                                             |
| NCBI Official Full Name   | nuclear factor NF-kappa-B p105 subunit isoform 2       |

|                                         |                                                                                                                                                                                           |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI Official Synonym Full Names</b> | nuclear factor of kappa light polypeptide gene enhancer in B-cells 1                                                                                                                      |
| <b>NCBI Official Symbol</b>             | NFKB1                                                                                                                                                                                     |
| <b>NCBI Official Synonym Symbols</b>    | p50; KBF1; p105; EBP-1; NF-kB1; NFKB-p50; NFkappaB; NF-kappaB; NFKB-p105; NF-kappa-B                                                                                                      |
| <b>NCBI Protein Information</b>         | nuclear factor NF-kappa-B p105 subunit; NF-kappabeta; DNA binding factor KBF1; DNA-binding factor KBF1; nuclear factor NF-kappa-B p50 subunit; nuclear factor kappa-B DNA binding subunit |
| <b>UniProt Protein Name</b>             | Nuclear factor NF-kappa-B p105 subunit                                                                                                                                                    |
| <b>UniProt Gene Name</b>                | <b>NFKB1</b>                                                                                                                                                                              |
| <b>UniProt Entry Name</b>               | NFKB1_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/nfkappab-p105-p50-antibody-flow-cytometry-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320175>