

## Anti-NFKB1 Antibody (2H166)

### Product Details

|                   |  |
|-------------------|--|
| Ig Type:          | IgG  |
| Reactivity:       | Human,Mouse,Rat                            |
| Molecular Weight: | Theoretical: 105 kDa. Actual: 50, 120 kDa. |
| Clone:            | 2H166                                      |
| Purification:     | Protein A purified                         |

### Applications

|                    |   |
|--------------------|---|
| Verified Activity: | Sample:<br>Lane 1: Human Raji cell lysates<br>Lane 2: Human MCF-7 cell lysates<br>Lane 3: Human Jurkat cell lysates<br>Lane 4: Human A431 cell lysates<br>Lane 5: Human HeLa cell lysates<br>Primary: Anti-NFKB1 (TMAB-09438) at 1/1000 dilution<br>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution<br>Predicted band size: 105 kDa<br>Observed band size: 50, 120 kDa |
| Application:       | WB,IHC-P,IHC-Fr,IF  |
| Recommended        | WB=1:500-2000,IHC-P=1:100-200,IHC-F=1:100-200,IF=1:100-200  |

### Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

### Antigen Details

|                  |   |
|------------------|---|
| Immunogen:       | KLH conjugated synthetic peptide: human NFkB p105/p50 |
| Antigen Species: | Human   |
| Gene ID:         | 4790  |
| Uniprot ID:      | P19838  |

### Research Background

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. Two transcript variants encoding different isoforms have been found for this

gene. [provided by RefSeq, Sep 2009].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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