

RELB monoclonal antibody

Catalog: MB67066

Host: Mouse

Reactivity: Human, Mouse

BackGround:

Transcription factors of the nuclear factor κ B (NF- κ B)/Rel family play a pivotal role in inflammatory and immune responses. There are five family members in mammals: RelA, c-Rel, RelB, NF- κ B1 (p105/p50), and NF- κ B2 (p100/p52). Both p105 and p100 are proteolytically processed by the proteasome to produce p50 and p52, respectively. Rel proteins bind p50 and p52 to form dimeric complexes that bind DNA and regulate transcription. In unstimulated cells, NF- κ B is sequestered in the cytoplasm by I κ B inhibitory proteins. NF- κ B-activating agents can induce the phosphorylation of I κ B proteins, targeting them for rapid degradation through the ubiquitin-proteasome pathway and releasing NF- κ B to enter the nucleus where it regulates gene expression. NIK and IKK α (IKK1) regulate the phosphorylation and processing of NF- κ B2 (p100) to produce p52, which translocates to the nucleus. RelB, which is generally activated by non-canonical signaling, forms heterodimers with either p50 or p52 NF- κ B subunits to regulate transcription. RelB null mice are significantly impaired in inflammatory responses and hematopoietic differentiation. Phosphorylation at Thr84 and Ser552 results in proteosomal degradation.

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 74 kDa

Swiss-Prot:

Q01201

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/2000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of RELB protein.

DATA:



Western blot analysis of RELB expression in Daudi (A) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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