

## ReIB (PT0703R) PT™ Rabbit mAb

CatalogNo: YM8512 **Recombinant** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, IP, ELISA

#### MW

- 62kD (Calculated)
- 62kD (Observed)

#### Isotype

- IgG, Kappa

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

### Recommended Dilution Ratios

**IHC 1:200-1:1000****WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

### Basic Information

**Clonality** Monoclonal**Clone Number** PT0703R

### Immunogen Information

**Specificity** Endogenous

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## | Target Information

**Gene name** RELB

**Protein Name** Transcription factor RelB

Organism	Gene ID	UniProt ID
Human	<a href="#">5971</a> ;	<a href="#">Q01201</a> ;
Mouse	<a href="#">19698</a> ;	<a href="#">Q04863</a> ;

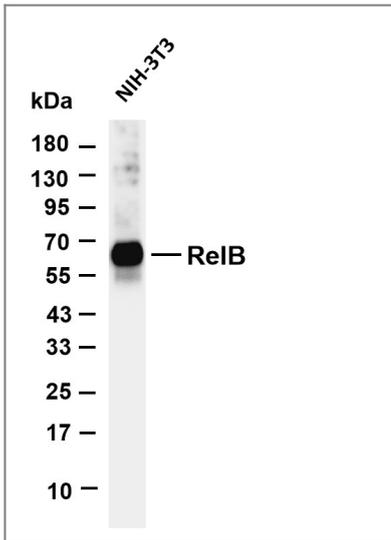
**Cellular Localization** Nucleus

**Tissue specificity** Blood,T-cell,

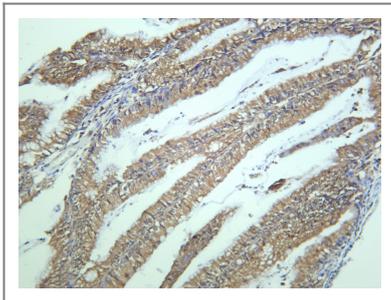
**Function** Caution:Was originally (PubMed:1577270) thought to inhibit the transcriptional activity of nuclear factor NF-kappa-B.,Domain:Both N- and C-terminal domains are required for transcriptional activation.,Function:NF-kappa-B is a pleiotropic transcription factor which is present in almost all cell types and is involved in many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NF-kappa-B is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFKB1/p105, NFKB1/p50, REL and NFKB2/p52. The dimers bind at kappa-B sites in the DNA of their target genes and the individual dimers have distinct preferences for different kappa-B sites that they can bind with distinguishable affinity and specificity. Different dimer combinations act as transcriptional activators or repressors, respectively. NF-kappa-B is controlled by various mechanisms of post-translational modification and subcellular compartmentalization as well as by interactions with other cofactors or corepressors. NF-kappa-B complexes are held in the cytoplasm in an inactive state complexed with members of the NF-kappa-B inhibitor (I-kappa-B) family. In a conventional activation pathway, I-kappa-B is phosphorylated by I-kappa-B kinases (IKKs) in response to different activators, subsequently degraded thus liberating the active NF-kappa-B complex which translocates to the nucleus. NF-kappa-B heterodimeric RelB-p50 and RelB-p52 complexes are transcriptional activators. RELB neither associates with DNA nor with RELA/p65 or REL. Stimulates promoter activity in the presence of NFKB2/p49.,induction:By mitogens.,PTM:Phosphorylation at 'Thr-103' and 'Ser-573' is followed by proteasomal degradation.,similarity:Contains 1 RHD (Rel-like) domain.,subunit:Component of the NF-kappa-B RelB-p50 complex. Component of the NF-kappa-B RelB-p52 complex. Self-associates; the interaction seems to be transient and may prevent degradation allowing for heterodimer formation with p50 or p52. Interacts with NFKB1/p50, NFKB2/p52 and NFKB2/p100. Interacts with NFKBID.,

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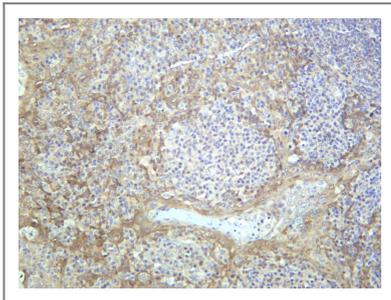
## | Validation Data



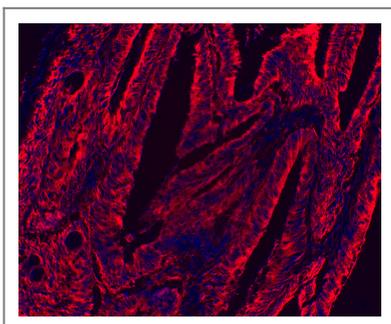
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-RelB antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: NIH-3T3 Predicted band size: 62kDa Observed band size: 62kDa



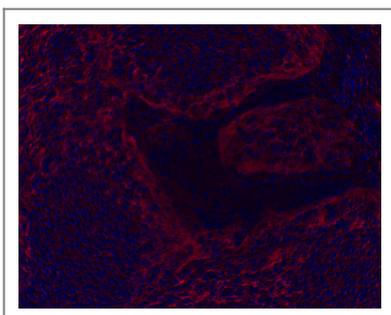
Human colon carcinoma was stained with anti-RelB rabbit antibody



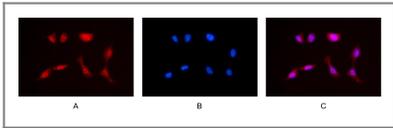
Human tonsil was stained with anti-RelB rabbit antibody



Immunofluorescence analysis of Human colon carcinoma



Immunofluorescence analysis of Human tonsil



Immunofluorescence analysis of HEK293. Picture A: RelB antibody (red).  
Picture B: DAPI (blue). Picture C: Merge of A+B

## Contact information

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Please scan the QR code  
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product information:  
**RelB (PT0703R) PT™  
Rabbit mAb**

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