

## Rel B (phospho-S552) polyclonal antibody

Catalog: BS4770

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

The NF $\kappa$ B transcription factor was originally identified as a protein complex consisting of a DNA-binding subunit and an associated protein. The DNA-binding subunit is functionally related to c-Rel p75 and Rel B p68. The p50 subunit was initially believed to be a functionally unique protein derived from the amino-terminus of a precursor designated p105. A second protein designated p52 (previously referred to as p49) has been identified that can act as an alternative NF $\kappa$ B subunit. Rel B does not bind with high affinity to NF $\kappa$ B sites, but heterodimers between Rel B and p50 bind with an affinity comparable to that of p50 NF $\kappa$ B homodimers. However, Rel B/p50 heterodimers, in contrast to NF $\kappa$ B heterodimers, transactivates transcription of promoters containing  $\kappa$ B binding sites.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 70 kDa

### Swiss-Prot:

Q01201

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

### Storage&Stability:

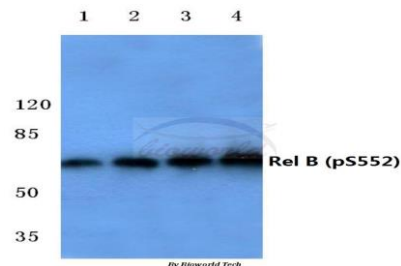
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-Rel B (S552) polyclonal antibody detects endogenous

levels of Rel B protein only when phosphorylated at Ser552.

### DATA:



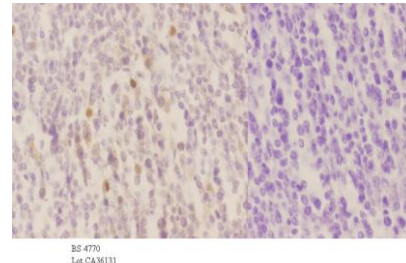
Western blot (WB) analysis of p-Rel B (S552) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with TNFa

Lane2:Mouse stomach tissue lysate

Lane3:Mouse colon tissue lysate

Lane4:Rat colon tissue lysate



Immunohistochemistry (IHC) analyzes of p-Rel B (S552) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50. showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

### Note:

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

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