

# Rel(Phospho-Ser503) Antibody

Catalog No: #11020

Package Size: #11020-1 50ul #11020-2 100ul

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## Description

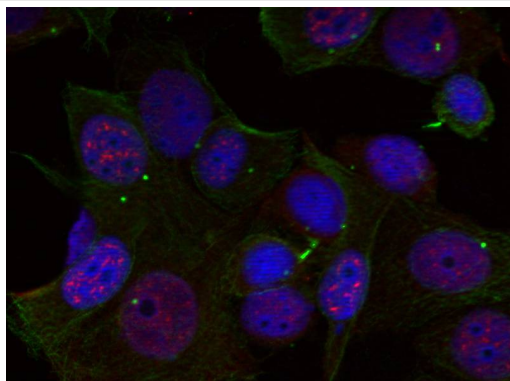
|                       |   |
|-----------------------|---|
| Product Name          | Rel(Phospho-Ser503) Antibody  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.<br>Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications          | IF  |
| Species Reactivity    | Hu  |
| Specificity           | The antibody detects endogenous level of Rel only when phosphorylated at serine 503.  |
| Immunogen Type        | Peptide-KLH   |
| Immunogen Description | Peptide sequence around phosphorylation site of serine 503 (T-S-S(p)-D-S) derived from Human Rel.   |
| Target Name           | Rel   |
| Modification          | Phospho   |
| Other Names           | C-Rel   |
| Accession No.         | Swiss-Prot: Q04864NCBI Protein: NP_002899.1   |
| Concentration         | 1.0mg/ml  |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.   |

## Application Details

Predicted MW: 78kd

Immunofluorescence: 1:100~1:200

## Images



Immunofluorescence staining of methanol-fixed HeLa cells using Rel(Phospho-Ser503) Antibody #11020.

## Background

The REL gene encodes c-Rel, a transcription factor that is a member of the Rel/NFkB family, which also includes RELA (MIM 164014), RELB (604758), NFkB1 (MIM 164011), and NFkB2 (MIM 164012). These proteins are related through a highly conserved N-terminal region termed the 'Rel domain,' which is responsible for DNA binding, dimerization, nuclear localization, and binding to the NFkB inhibitor (MIM 164008) (Belguise and Sonenshein, 2007 (PubMed 18037997)).

Baeuerle, P.A. and Henkel, T. (1994) Annu Rev Immunol 12, 141-79.

Baeuerle, P.A. and Baltimore, D. (1996) Cell 87, 13-20.

Haskill, S. et al. (1991) Cell 65, 1281-9.

Thompson, J.E. et al. (1995) Cell 80, 573-82.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.