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**Anti-Human/Mouse/Rat Phospho-COT (Thr290) Polyclonal Antibody****Polyclonal Antibody****Cat.NO.: PA01857**

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3th Edition

**Description:** This gene is an oncogene that encodes a member of the serine/threonine protein kinase family. The encoded protein localizes to the cytoplasm and can activate both the MAP kinase and JNK kinase pathways. This protein was shown to activate I $\kappa$ B kinases, and thus induce the nuclear production of NF- $\kappa$ B. This protein was also found to promote the production of TNF- $\alpha$  and IL-2 during T lymphocyte activation. This gene may also utilize a downstream in-frame translation start codon, and thus produce an isoform containing a shorter N-terminus. The shorter isoform has been shown to display weaker transforming activity. Alternate splicing results in multiple transcript variants that encode the same protein. MAP3K8 (Mitogen-Activated Protein Kinase Kinase 8) is a Protein Coding gene. Diseases associated with MAP3K8 include Lung Cancer. Among its related pathways are IL-1 signaling pathway and 4-1BB Pathway. GO annotations related to this gene include transferase activity, transferring phosphorus-containing groups and protein tyrosine kinase activity. An important paralog of this gene is MAP3K5.

**Antigen:** Synthesized peptide derived from human Cot around the phosphorylation site of Thr290

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1 $\mu$ g/ml.

**Specificity:** Expressed in several normal tissues and human tumor-derived cell lines.