

**Product Name: Phospho-COT (Thr290) Rabbit Polyclonal Antibody**  
**Catalog #: APRab00909**

---

## Summary

|                        |   |
|------------------------|---|
| <b>Production Name</b> | Phospho-COT (Thr290) Rabbit Polyclonal Antibody |
| <b>Description</b>     | Primary antibody                                |
| <b>Host</b>            | Rabbit  |
| <b>Application</b>     | WB,IHC-P,ICC/IF,ELISA                           |
| <b>Reactivity</b>      | Human,Mouse,Rat                                 |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Phosphorylated   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Polyclonal Antibody  |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.          |
| <b>Purification</b> | Affinity Chromatography  |

## Immunogen

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | MAP3K8  |
| <b>Alternative Names</b> | Mitogen-activated protein kinase kinase kinase 8; Cancer Osaka thyroid oncogene; Proto-oncogene c-Cot; Serine/threonine-protein kinase cot; Tumor progression locus 2 |
| <b>Gene ID</b>           | 1326  |
| <b>SwissProt ID</b>      | P41279  |

## Application

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 ELISA: 1/10000 |
| <b>Molecular Weight</b> | Calculated MW: 53 kDa; Observed MW: 60 kDa                     |

**Product Name: Phospho-COT (Thr290) Rabbit Polyclonal Antibody**  
**Catalog #: APRab00909**



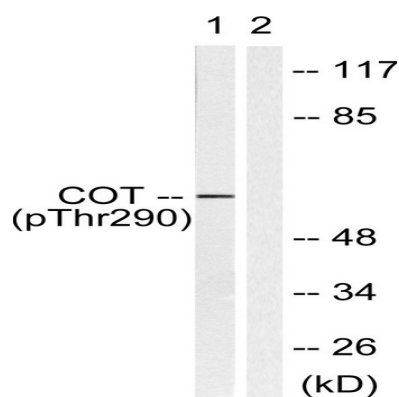
## Background

mitogen-activated protein kinase kinase kinase 8(MAP3K8) Homo sapiens 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 kappaB kinases, and thus induce the nuclear production of NF-kappaB. 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.

## Research Area

Signal Transduction

## Image Data



Western blot analysis of Phospho-COT (Thr290) in 293 lysates treated with UV using Phospho-COT (Thr290) antibody. The lane on the right is blocked with the Phospho-peptide.

## Note

For research use only.