

## COT Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP02142
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human COT. AA range:256-305
<b>Mol wt</b>	52925
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	COT Antibody
<b>Synonyms</b>	MAP3K8; COT; ESTF; Mitogen-activated protein kinase kinase kinase 8; Cancer Osaka thyroid oncogene; Proto-oncogene c-Cot; Serine/threonine-protein kinase cot; Tumor progression locus 2; TPL-2

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

MAP3K8 is an oncogene that encodes a member of the serine/threonine protein kinase family. Mitogen-activated protein kinase 8 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.

### Recommended Dilution

WB: 1: 500 - 1: 2000

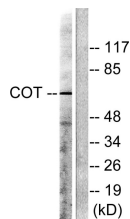
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

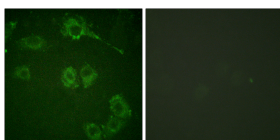
ELISA: 1: 40000

Not yet tested in other applications.

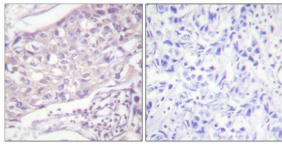
### Images



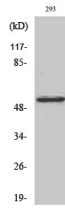
Western blot analysis of lysates from 293 cells, treated with LPS 100ng/ml 30', using COT Antibody. The lane on the right is blocked with the synthesized peptide.



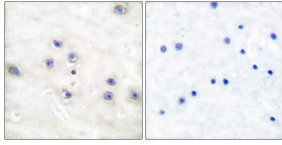
Immunofluorescence analysis of HUVEC cells, using COT Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western Blot analysis of various cells using COT Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using COT Antibody. The picture on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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