COT(Phospho-Thr290)Antibody [#8A0064]

Catalog Number: 8A0064

Concentration: 1 mg/ml

Molecular Weight: 52 Kd

Origin of Antibody: Rabbit

Swiss-Prot No.: P41279

NCBI Gene Symbol: MAP3K8

Other Names: C-COT; COT proto-oncogene serine/threonine-protein kinase; Cancer Osaka thyroid oncogene; M3K8; MAP3K8; Mitogen-activated protein kinase kinase kinase 8; TPL-2; TPL2; Tpl2; Tumor progression locus 2; kinase Cot

All Sites: H: Thr290; M: Thr290; R: Thr290

Storage/Stability: Store at -20℃/1 year

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Immunogen: The antiserum was produced against synthesized peptide derived from human COT around the phosphorylation site of Thr290.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

Specificity: COT (Phospho-Thr290) Antibody detects endogenous levels of COT only when phosphorylated at Thr290.

Reactivity: Human, Mouse, Rat

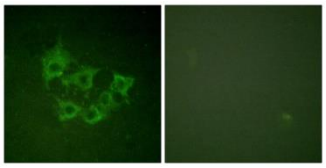
Applications: WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:40000

References:

Jahan Ara, PNAS, Jun 1998; 95: 7659.
E Carafoli, Crit. Rev. Biochem. Mol. Biol., Apr 2001; 36: 107.
P. William Conrad, J. Biol. Chem., Nov 1999; 274: 33709.
Y. Katayama, J Appl Physiol, Nov 1994; 77: 2086.

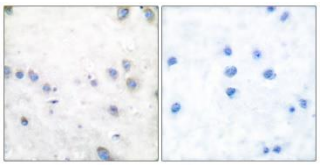
Application Images:

Figure1 (IF)



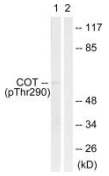
Immunofluorescence analysis of HUVEC cells, using COT (Phospho-Thr290) Antibody. The picture on the right is blocked with the phospho peptide.

Figure2 (IHC)



Immunohistochemistry analysis of paraffin-embedded human brain, using COT (Phospho-Thr290) Antibody. The picture on the right is blocked with the phospho peptide.

Figure 3 (WB)



Western blot analysis of lysates from 293 cells treated with UV 15', using COT (Phospho-Thr290) Antibody. The lane on the right is blocked with the phospho peptide.

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