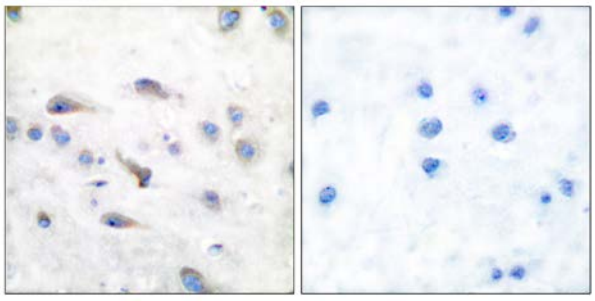
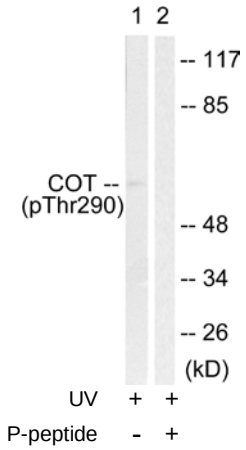
# COT (Phospho-Thr290) Antibody

E11-0064A

**Catalog Number:** E11-0064A
**Amount:** 100μg/100μl
**Swiss-Prot No. :** P41279
**All Names:** EC 1.14.16.2, TH isoform 3, TH isoform a, TH-4, TY3H, TYH, Tyrosine 3-hydroxylase, Tyrosine 5-monooxygenase, tyrosine hydroxylase
**All Sites:** Human: Thr290; Mouse: Thr290; Rat: Thr290
**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.
**Storage/Stability:** Store at -20℃/1 year
**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human COT around the phosphorylation site of threonine 290 (R-G-$T^P$-E-I).
**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/Sensitivity:** COT (phospho-Thr290) antibody detects endogenous levels of COT only when phosphorylated at threonine 290.
**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.

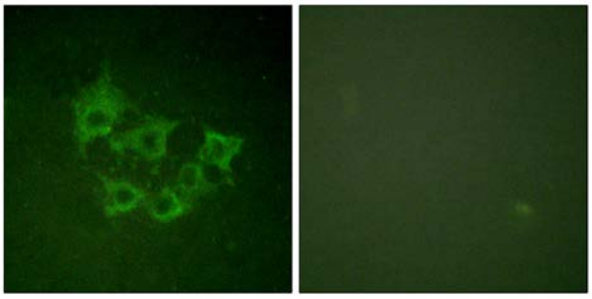



Immunohistochemical analysis of paraffin-embedded human brain tissue using COT (phospho-Thr290) antibody.




Western blot analysis of extracts from 293 cells, treated with UV (15mins), using COT (phospho-Thr290) antibody.

**For Research Use Only**



P-peptide - +

Immunofluorescence analysis of HuvEc cells, using COT (phospho-Thr290) antibody (#11364).