

# Product Data Sheet

## Anti-COMT Antibody

| Catalog #                | Source                                                                                                                              | Reactivity  | Applications |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|
| CPA1259                  | Rabbit                                                                                                                              | H, M, R, Mk | WB, IF/IC    |
| <b>Description</b>       | Rabbit polyclonal antibody to COMT                                                                                                  |             |              |
| <b>Immunogen</b>         | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human COMT. The exact sequence is proprietary. |             |              |
| <b>Purification</b>      | The antibody was purified by immunogen affinity chromatography.                                                                     |             |              |
| <b>Specificity</b>       | Recognizes endogenous levels of COMT protein.                                                                                       |             |              |
| <b>Clonality</b>         | Polyclonal                                                                                                                          |             |              |
| <b>Form</b>              | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                           |             |              |
| <b>Dilution</b>          | WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)                                                                                          |             |              |
| <b>Gene Symbol</b>       | COMT                                                                                                                                |             |              |
| <b>Alternative Names</b> | Catechol O-methyltransferase                                                                                                        |             |              |
| <b>Entrez Gene</b>       | 1312 (Human); 12846 (Mouse); 24267 (Rat)                                                                                            |             |              |
| <b>SwissProt</b>         | P21964 (Human); O88587 (Mouse); P22734 (Rat)                                                                                        |             |              |
| <b>Storage/Stability</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                                    |             |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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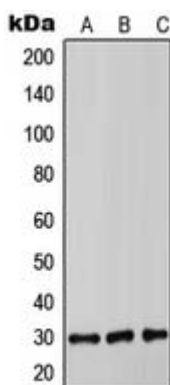
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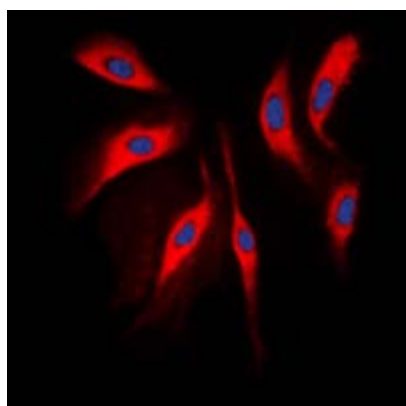
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## Product Data Sheet



Western blot analysis of COMT expression in HEK293T (A), Raw264.7 (B), rat liver (C) whole cell lysates.



Immunofluorescent analysis of COMT staining in Raw264.7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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