

Datasheet for ABIN2173335  
**anti-COMT antibody (AA 121-220)**



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## Overview

|                      |                                                                                                                                                                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                                                                                                                     |
| Target:              | COMT                                                                                                                                                                                                                                                       |
| Binding Specificity: | AA 121-220                                                                                                                                                                                                                                                 |
| Reactivity:          | Mouse, Rat                                                                                                                                                                                                                                                 |
| Host:                | Rabbit                                                                                                                                                                                                                                                     |
| Clonality:           | Polyclonal                                                                                                                                                                                                                                                 |
| Conjugate:           | This COMT antibody is un-conjugated                                                                                                                                                                                                                        |
| Application:         | ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human COMT |
| Isotype:              | IgG                                                      |
| Cross-Reactivity:     | Mouse, Rat                                               |
| Predicted Reactivity: | Human,Cow,Pig,Horse                                      |
| Purification:         | Purified by Protein A.                                   |

## Target Details

|         |      |
|---------|------|
| Target: | COMT |
|---------|------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | COMT ( <a href="#">COMT Products</a> )                                                                                                                                                                                                                                                                              |
| Background:       | Synonyms: HEL-S-98n, Catechol O-methyltransferase, COMT<br>Background: Catalyzes the O-methylation, and thereby the inactivation, of catecholamine neurotransmitters and catechol hormones. Also shortens the biological half-lives of certain neuroactive drugs, like L-DOPA, alpha-methyl DOPA and isoproterenol. |
| Gene ID:          | 1312                                                                                                                                                                                                                                                                                                                |
| UniProt:          | <a href="#">P21964</a>                                                                                                                                                                                                                                                                                              |
| Pathways:         | <a href="#">Steroid Hormone Biosynthesis</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>                                                                                                                                                                                                                       |

## Application Details

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|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | ELISA 1:500-1000<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200<br>ICC 1:100-500 |
| Restrictions:      | For Research Use only                                                                                                                   |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.                                              |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | 4 °C,-20 °C                                                                                                        |
| Storage Comment:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                    |
| Expiry Date:       | 12 months                                                                                                          |