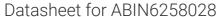
antibodies -online.com







anti-COMT antibody (N-Term)





Publication



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|--------|-----|---|-----|---|--------|----|
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| Quantity: | 100 μL |
|----------------------|--|
| Target: | COMT |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This COMT antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC) |
| | |

Product Details

| Immunogen: | A synthesized peptide derived from human COMT, corresponding to a region within N-terminal amino acids. |
|-----------------------|--|
| Isotype: | IgG |
| Specificity: | COMT Antibody detects endogenous levels of total COMT. |
| Predicted Reactivity: | Bovine,Horse,Rabbit,Dog |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific). |

Target Details

| Target: CC | |
|------------|--|
|------------|--|

Target Details

| Alternative Name: | COMT (COMT Products) |
|-------------------|---|
| Background: | Description: 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: COMT |
| Molecular Weight: | 30 kDa |
| Gene ID: | 1312 |
| UniProt: | P21964 |
| Pathways: | Steroid Hormone Biosynthesis, SARS-CoV-2 Protein Interactome |

Application Details

| Application Notes: | WB 1:500-1:1000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000 |
|--------------------|---|
| Restrictions: | For Research Use only |

Handling

| Format: | Liquid |
|--------------------|--|
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 $\%$ sodium azide and 50 $\%$ glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |
| Expiry Date: | 12 months |

Publications

Product cited in:

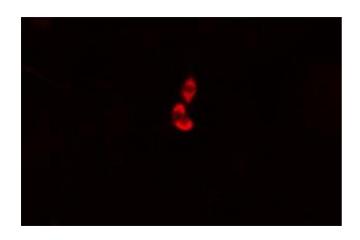
Bai, Tang, Zou, Meng, Tu, Xia, Cheng, Zhang, Yang, Mu, Wang, Qin, Lv, Cao, Qin, Jiang, Chen: "

m6A Demethylase FTO Regulates Dopaminergic Neurotransmission Deficits Caused by

Arsenite." in: Toxicological sciences: an official journal of the Society of Toxicology, Vol. 165,

Issue 2, pp. 431-446, (2018) (PubMed).

Images



Immunofluorescence (fixed cells)

Image 1. ABIN6274976 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibod