

## PDE10A Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant PDE10A.

Catalog # AT3250a

### Product Information

---

|                   |                           |
|-------------------|---------------------------|
| Application       | E                         |
| Primary Accession | <a href="#">Q9Y233</a>    |
| Other Accession   | <a href="#">NM_006661</a> |
| Reactivity        | Human                     |
| Host              | mouse                     |
| Clonality         | monoclonal                |
| Isotype           | IgG1 Kappa                |
| Clone Names       | 40                        |
| Calculated MW     | 114946                    |

### Additional Information

---

|                    |                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 10846                                                                                                                |
| Other Names        | cAMP and cAMP-inhibited cGMP 3', 5'-cyclic phosphodiesterase 10A, PDE10A                                             |
| Target/Specificity | PDE10A (NP_006652, 242 a.a. ~ 333 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.  |
| Dilution           | E~~N/A                                                                                                               |
| Format             | Clear, colorless solution in phosphate buffered saline, pH 7.2 .                                                     |
| Storage            | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                             |
| Precautions        | PDE10A Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures. |

### Background

---

Various cellular responses are regulated by the second messengers cAMP and cGMP. Phosphodiesterases, such as PDE10A, eliminate cAMP- and cGMP-mediated intracellular signaling by hydrolyzing the cyclic nucleotide to the corresponding nucleoside 5-prime monophosphate (Fujishige et al., 2000 [PubMed 10998054]).

### References

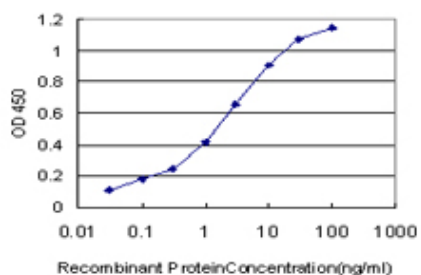
---

Analyses of shared genetic factors between asthma and obesity in children. Mel'n E, et al. J Allergy Clin Immunol, 2010 Sep. PMID 20816195. Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone

Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Interplay of palmitoylation and phosphorylation in the trafficking and localization of phosphodiesterase 10A: implications for the treatment of schizophrenia. Charych EI, et al. J Neurosci, 2010 Jul 7. PMID 20610737. Common variants in FOXP1 are associated with generalized vitiligo. Jin Y, et al. Nat Genet, 2010 Jul. PMID 20526340. Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

## Images

---



Detection limit for recombinant GST tagged PDE10A is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.