

# PDE10A Rabbit pAb

Catalog No.: A15597

## Basic Information

### Observed MW

88kDa

### Calculated MW

88kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Rat

## Background

The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase family. It plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. This protein can hydrolyze both cAMP and cGMP to the corresponding nucleoside 5' monophosphate, but has higher affinity for cAMP, and is more efficient with cAMP as substrate. Alternatively spliced transcript variants have been described for this gene.

## Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:50 - 1:200

## Immunogen Information

### Gene ID

10846

### Swiss Prot

Q9Y233

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 23-200 of human PDE10A (NP\_001124162.1).

### Synonyms

ADSD2; IOLOD; HSPDE10A; PDE10A19; LINC00473; PDE10A

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

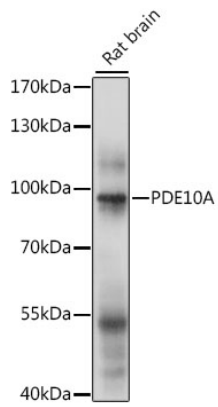
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

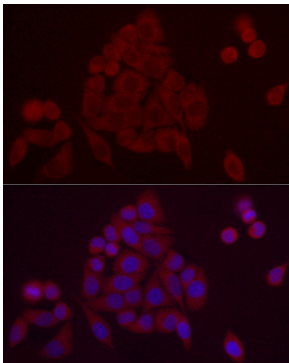
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of rat brain, using PDE10A antibody (A15597) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 5s.



Immunofluorescence analysis of HeLa cells using PDE10A Rabbit pAb (A15597) at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.