

# IHCeasy<sup>®</sup> PDE10A Ready-To-Use IHC Kit

Catalog Number: **KHC3051**

## General Information

Sample type:  
FFPE tissue  
Cited sample type:  
Reactivity:  
Human, Mouse, Rat  
Cited Reactivity:

Assay type:  
Immunohistochemistry  
Primary antibody type:  
Rabbit Polyclonal  
Secondary antibody type:  
Polymer-HRP-Goat anti-Rabbit

## Kit Component

| Component                | Size               | Concentration |
|--------------------------|--------------------|---------------|
| Antigen Retrieval Buffer | 100 mL             | 50×           |
| Washing Buffer           | 100 mL ×2          | 20×           |
| Blocking Buffer          | 5 mL               | RTU           |
| Primary Antibody         | 5 mL               | RTU           |
| Secondary Antibody       | 5 mL               | RTU           |
| Chromogen Component A    | 0.2 mL             | RTU           |
| Chromogen Component B    | 4 mL               | RTU           |
| Signal Enhancer          | 5 mL               | RTU           |
| Counter Staining Reagent | 5 mL               | RTU           |
| Mounting Media           | 5 mL               | RTU           |
| Control Slide            | 1 slide (Optional) | FFPE          |
| Datasheet                | 1 Copy             |               |
| Manual                   | 1 Copy             |               |

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

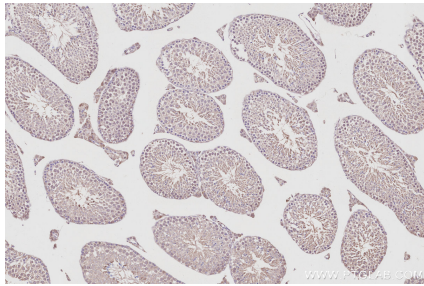
## Background

PDE10A (Phosphodiesterase 10A) is a single member of the PDE10 protein family, and it catalyzes both cAMP and cGMP hydrolysis. The literature on PDE10A has been focused on psychiatric and neurological disorders because PDE10A expression is enriched in the striatal region of the brain under normal conditions. Moreover, PDE10A expression is induced in various human tumor cell lines and PDE10A inhibition suppresses tumor cell growth.

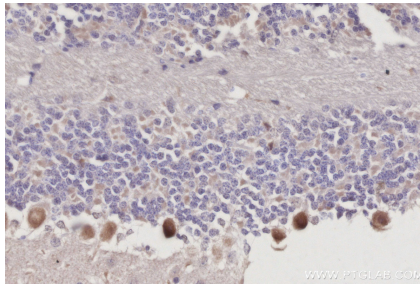
## Synonyms

cAMP and cAMP-inhibited cGMP 3',5'-cyclic phosphodiesterase 10A, EC:3.1.4.17, HSPDE10A, phosphodiesterase 10A

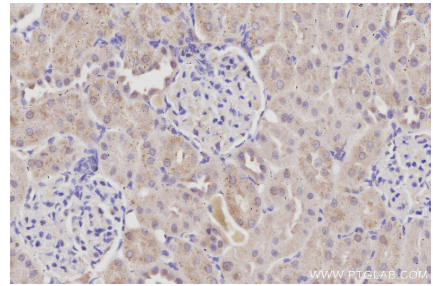
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC3051 (PDE10A IHC Kit).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using KHC3051 (PDE10A IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using KHC3051 (PDE10A IHC Kit).