

Datasheet for ABIN2469457  
**anti-PDE9A antibody (Internal Region)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	0.05 mg
Target:	PDE9A
Binding Specificity:	Internal Region
Reactivity:	Human, Dog, Monkey, Gibbon
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDE9A antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

## Product Details

Immunogen:	PDE9A antibody was raised against a peptide located near the internal domain of PDE9A (Human).
Specificity:	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purification:	Immunoaffinity Chromatography

## Target Details

Target:	PDE9A
Alternative Name:	PDE9A ( <a href="#">PDE9A Products</a> )
Background:	Phosphodiesterase 9A is a cGMP-specific phosphodiesterase. PDE9A activity is inhibited by zaprinast, but it is insensitive to rolipram, vinpocetine, SKF-94120, dipyridamole, and IBMX. More than 20 alternatively spliced variants have been reported (Rentero et al. 2003). PDE9A has

## Target Details

been implicated in penile erectile dysfunction, as well as in functional disturbances in which intraneuronal signal transmission via second messengers are important in the pathophysiology (example, bipolar affective disorder). PDE9A is the only cGMP-specific PDE with significant expression in the forebrain, and as such is likely to function in NO-cGMP signaling.

Gene ID: 5152

UniProt: [O76083](#)

## Application Details

Application Notes: PDE9A antibody can be used in ELISA, Western Blot, immunohistochemistry starting at 5 µg/mL, and immunofluorescence starting at 10 µg/mL.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS, 0.1 % sodium azide.

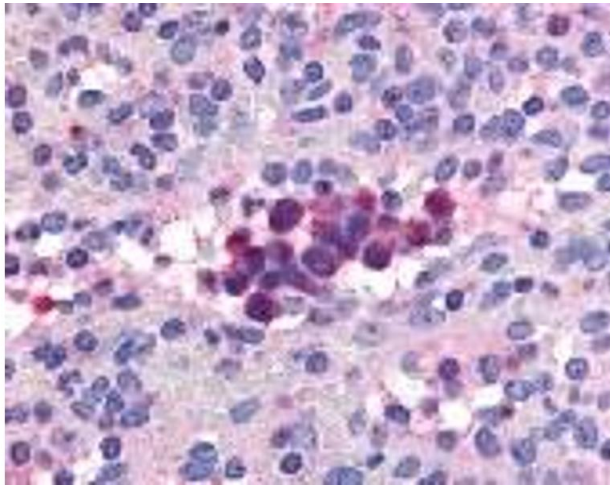
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: As with all antibodies avoid freeze/thaw cycles.

Storage: 4 °C/-80 °C

Storage Comment: PDE9A antibody should be stored long term (months) at -80 °C and short term (days) at 4 °C.



#### Immunohistochemistry

**Image 1.**