

## Product datasheet

# Anti-PDE8B antibody ab61817

[1 Image](#)

### Overview

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<b>Product name</b>	Anti-PDE8B antibody
<b>Description</b>	Rabbit polyclonal to PDE8B
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human PDE8B (internal sequence) conjugated to Keyhole Limpet Haemocyanin (KLH).
<b>Positive control</b>	Human Thyroid tissue.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.70 Preservative: 0.1% Sodium azide Constituent: PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab61817 in the following tested applications.

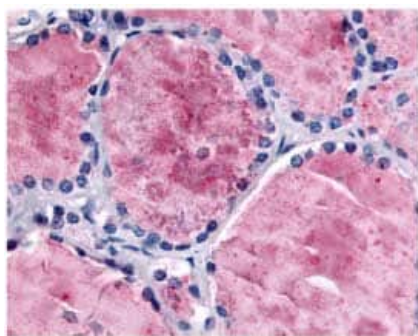
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 µg/ml.

## Target

<b>Function</b>	Hydrolyzes the second messenger cAMP, which is a key regulator of many important physiological processes. May be involved in specific signaling in the thyroid gland.
<b>Tissue specificity</b>	Abundantly expressed in the thyroid. Also very weakly expressed in brain, spinal cord and placenta. In the thyroid isoform 1 predominates, and isoforms 2 and 6 are also highly expressed. In the placenta isoforms 1 and 2 are expressed equally. In the brain isoform 2 predominates.
<b>Pathway</b>	Purine metabolism; 3',5'-cyclic AMP degradation; AMP from 3',5'-cyclic AMP: step 1/1.
<b>Involvement in disease</b>	Defects in PDE8B are the cause of striatal degeneration autosomal dominant (ADSD) [MIM:609161]. It is a movement disorder affecting the striatal part of the basal ganglia and characterized by bradykinesia, dysarthria and muscle rigidity. These symptoms resemble idiopathic Parkinson disease, but tremor is not present.
<b>Sequence similarities</b>	Belongs to the cyclic nucleotide phosphodiesterase family, PDE8 subfamily. Contains 1 PAS (PER-ARNT-SIM) domain.
<b>Domain</b>	Composed of a C-terminal catalytic domain containing two putative divalent metal sites and an N-terminal regulatory domain.

## Images



Immunohistochemistry analysis of human Thyroid tissue (Formalin-Fixed Paraffin-Embedded) using ab61817 at 5µg/ml. Detection was done with biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin, and chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDE8B antibody (ab61817)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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