

## Product datasheet

# Anti-Tpit antibody [CL6251] ab243028

[5 References](#) [2 Images](#)

### Overview

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<b>Product name</b>	Anti-Tpit antibody [CL6251]
<b>Description</b>	Mouse monoclonal [CL6251] to Tpit
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human Tpit aa 350 to the C-terminus. Database link: <a href="#">O60806</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Epitope</b>	Binds to an epitope located within the peptide sequence VLGEPSLTSLIAVSTW as determined by overlapping synthetic peptides
<b>Positive control</b>	IHC-P: Human pituitary gland 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. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purified from TCS.
<b>Clonality</b>	Monoclonal

Clone number CL6251

Isotype IgG1

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab243028 in the following tested applications.

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

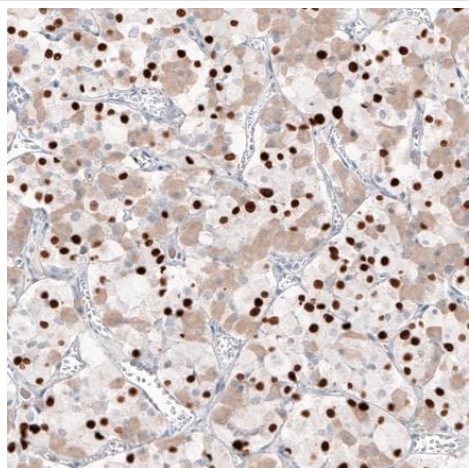
Application	Abreviews	Notes
IHC-P		1/1000 - 1/2500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

**Relevance** Tpit (TBX19, T box 19) is a highly cell-restricted transcription factor belonging to the T-Box family. T box 19 is required for pro-opiomelanocortin (POMC) gene expression and differentiation of corticotroph and melanotroph cells. Tpit gene mutations have been shown to be directly correlated to pituitary adrenocorticotropin (ACTH) deficiencies. Tpit functions as a transcriptional activator by recruiting the p160 family of coactivators.

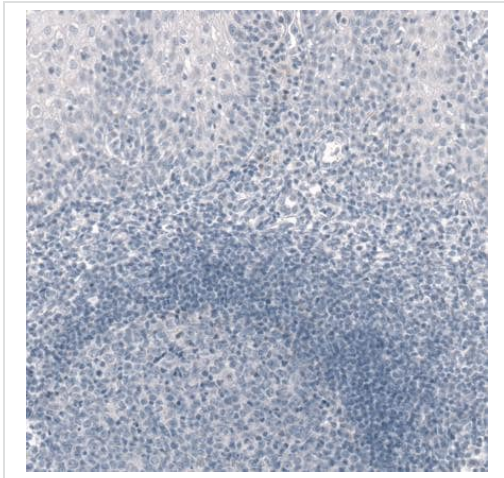
**Cellular localization** Nuclear

## Images



Formalin-fixed, paraffin-embedded human pituitary gland tissue stained for Tpit with ab243028 at a 1:1000 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tpit antibody [CL6251] (ab243028)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Tpit antibody [CL6251] (ab243028)

**Negative control** - Formalin-fixed, paraffin-embedded human tonsil tissue stained for Tpit with ab243028 at a 1:1000 dilution in immunohistochemical analysis.

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

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- Extensive multi-media technical resources to help you
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