

Product datasheet

Anti-Parathyroid Hormone antibody [PTH/1174] - C-terminal ab218496

[2 Images](#)

Overview

Product name	Anti-Parathyroid Hormone antibody [PTH/1174] - C-terminal
Description	Mouse monoclonal [PTH/1174] to Parathyroid Hormone - C-terminal
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment within Human Parathyroid Hormone aa 32-115. The exact sequence is proprietary. Database link: P01270
Epitope	The epitope of this monoclonal antibody maps in the C-terminus of Parathyroid Hormone.
Positive control	IHC-P: Human parathyroid tissue.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.05% BSA, 99% PBS
Purity	Protein A purified
Purification notes	ab218496 was purified from Bioreactor Concentrate by Protein A/G.
Clonality	Monoclonal

Clone number	PTH/1174
Isotype	IgG2b
Light chain type	kappa

Applications

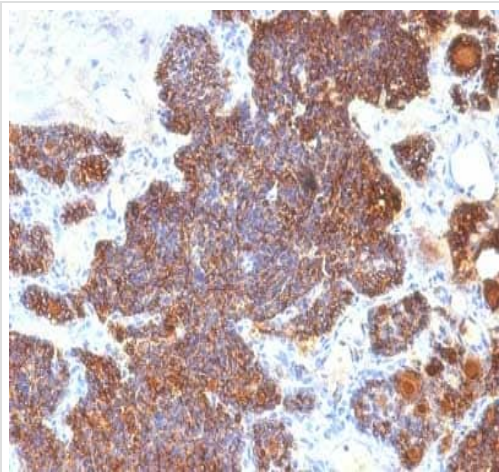
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab218496 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. (Primary incubation for 30 minutes at RT).

Target

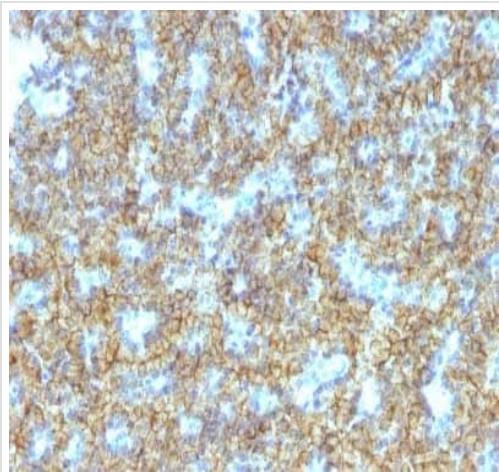
Function	PTH elevates calcium level by dissolving the salts in bone and preventing their renal excretion. Stimulates [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblastic cells.
Involvement in disease	Defects in PTH are a cause of familial isolated hypoparathyroidism (FIH) [MIM:146200]; also called autosomal dominant hypoparathyroidism or autosomal dominant hypocalcemia. FIH is characterized by hypocalcemia and hyperphosphatemia due to inadequate secretion of parathyroid hormone. Symptoms are seizures, tetany and cramps. FIH exist both as autosomal dominant and recessive forms of hypoparathyroidism.
Sequence similarities	Belongs to the parathyroid hormone family.
Cellular localization	Secreted.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human parathyroid tissue labeling Parathyroid Hormone with ab218496 at 1 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Parathyroid Hormone antibody [PTH/1174] - C-terminal (ab218496)



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human parathyroid tissue labeling Parathyroid Hormone with ab218496 at 1 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Parathyroid Hormone antibody [PTH/1174] - C-terminal (ab218496)

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

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