


## Product datasheet

# Anti-Parathyroid Hormone antibody [EPR20598] ab213557

Recombinant RabMAb

[5 Images](#)

### Overview

<b>Product name</b>	Anti-Parathyroid Hormone antibody [EPR20598]
<b>Description</b>	Rabbit monoclonal [EPR20598] to Parathyroid Hormone
<b>Host species</b>	Rabbit
<b>Specificity</b>	ab213557 has non-specific staining on mouse and rat kidney
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, IHC-Fr
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat <b>Predicted to work with:</b> Hamster 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	IHC: Mouse parathyroid, rat parathyroid IHC (Frozen): Mouse and rat parathyroid tissue.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

### Properties

<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: 7.2 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal

**Clone number**                      EPR20598  
**Isotype**                                IgG

## Applications

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**The Abpromise guarantee**        Our **Abpromise guarantee** covers the use of ab213557 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. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IHC-Fr		1/100.

## Target

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**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.

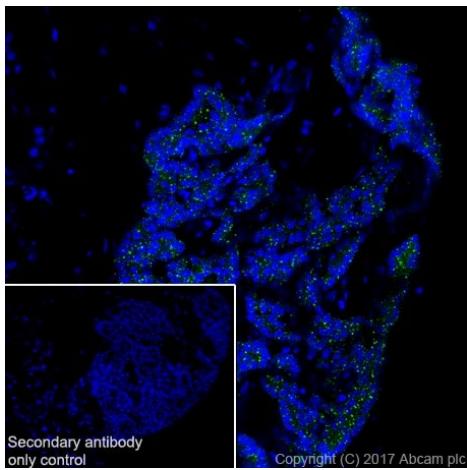
**Sequence similarities**                Belongs to the parathyroid hormone family.

**Cellular localization**                Secreted.

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## Images

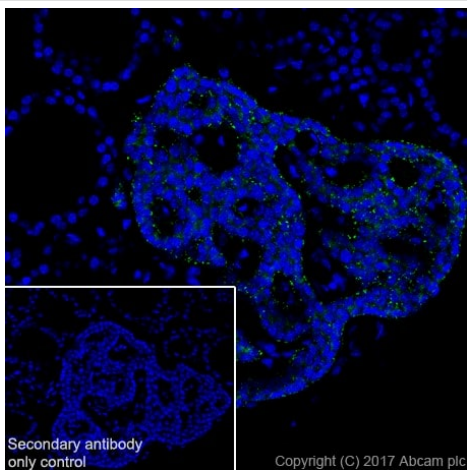
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Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized rat parathyroid tissue labeling Parathyroid Hormone with ab213557 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution. Granular cytoplasmic staining on chief cells of rat parathyroid is observed, no staining on adjacent thyroid cells (PMID: 7615802). The nuclear counter stain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) [ab150077](#) at 1/1000 dilution.

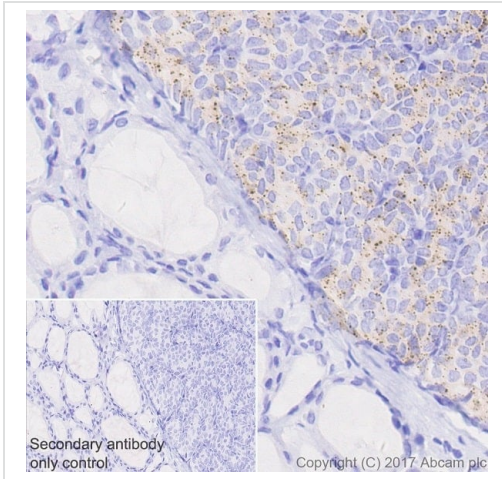
Immunohistochemistry (Frozen sections) - Anti-Parathyroid Hormone antibody [EPR20598] (ab213557)



Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized mouse parathyroid tissue labeling Parathyroid Hormone with ab213557 at 1/100 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution. Granular cytoplasmic staining on chief cells of mouse parathyroid is observed, no staining on adjacent thyroid cells (PMID: 7615802). The nuclear counter stain is DAPI (blue).

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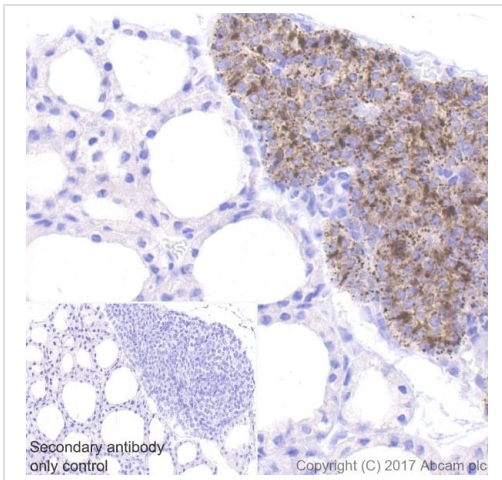


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Parathyroid Hormone antibody [EPR20598] (ab213557)

Immunohistochemical analysis of paraffin-embedded rat parathyroid tissue labeling Parathyroid Hormone with ab213557 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051** ready to use). Granular cytoplasmic staining on chief cells of rat parathyroid is observed, no staining on adjacent thyroid cells (PMID: 7615802). Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) **ab97051** ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



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Immunohistochemical analysis of paraffin-embedded mouse parathyroid tissue labeling Parathyroid Hormone with ab213557 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051** ready to use). Granular cytoplasmic staining on chief cells of mouse parathyroid is observed, no staining on adjacent thyroid cells (PMID: 7615802). Counter stained with Hematoxylin.

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### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Parathyroid Hormone antibody [EPR20598]  
(ab213557)

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

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- 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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