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Datasheet for ABIN6940426

## anti-PTH antibody (AA 1-34, AA 32-115)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	PTH
Binding Specificity:	AA 1-34, AA 32-115
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PTH antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

#### Product Details

Immunogen:	A synthetic peptide around aa 1-34 of human mature-PTH-polypeptide (exact sequence is proprietary) (3H9), A recombinant fragment around aa 32-115 of human mature PTH-polypeptide (exact sequence is proprietary)
Clone:	3H9-PTH-1175
Isotype:	IgG2b kappa
Specificity:	Epitope of this MAb maps in the C-terminus of PTH, a hormone produced by the parathyroid gland that regulates the concentration of calcium and phosphorus in extracellular fluid. This hormone elevates blood Ca <sup>2+</sup> levels by dissolving the salts in bone and preventing their renal excretion. It is produced in the parathyroid gland as an 84 amino acid single chain polypeptide. It can also be secreted as N-terminal truncated fragments or C-terminal fragments after intracellular degradation, as in case of hypercalcemia. Defects in this gene are a cause of

## Product Details

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familial isolated hypoparathyroidism (FIH), 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.

Cross-Reactivity (Details): Predicted to react with Mouse. Rat. Rabbit. Cow. Dog. Pig. Deer. Orangutan.

Purification: Purified by Protein A/G

## Target Details

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Target: PTH

Alternative Name: PTH ([PTH Products](#))

Target Type: Hormone

Molecular Weight: 9kDa

Gene ID: 5741

UniProt: [P01270](#)

Pathways: [cAMP Metabolic Process](#), [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

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Application Notes: Positive Control: Human parathyroid gland carcinoma.  
Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

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Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

## Handling

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should be handled by trained staff only.

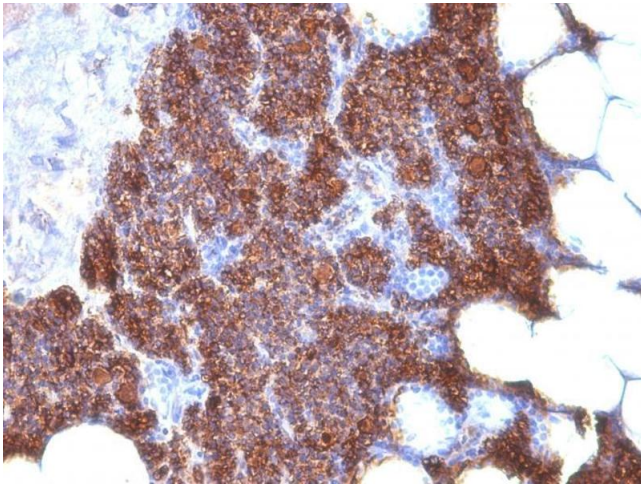
Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

## Images

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### Immunohistochemistry

**Image 1.** Formalin-fixed, paraffin-embedded human Parathyroid stained with PTH Monoclonal Antibody (3H9 + PTH/1175).