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Datasheet for ABIN6940430
anti-PTH antibody (AA 1-115)

1 Image

Overview

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

Product Details

Immunogen:	A recombinant fragment around aa 1-115 of human mature-PTH-polypeptide (exact sequence is proprietary)
Isotype:	IgG
Specificity:	Epitope of this PAb maps in the N-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 ²⁺ 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 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.

Product Details

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

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

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

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 should be handled by trained staff only.

Storage: 4 °C, -80 °C

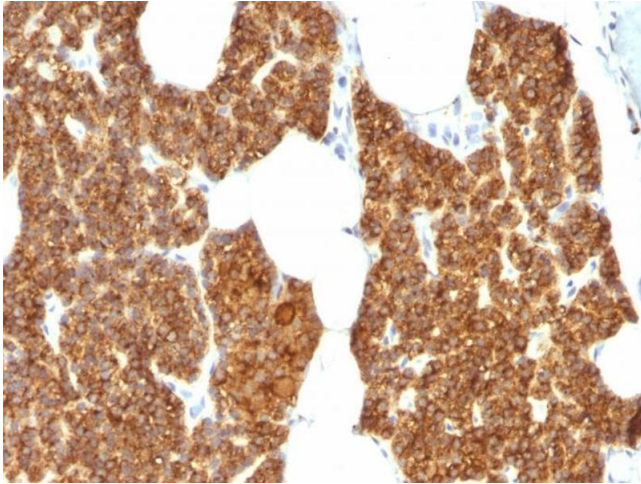
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

Handling

is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months

Images



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Parathyroid Gland stained with PTH Rabbit Polyclonal Antibody.