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Recombinant anti-PTH antibody (AA 1-34)

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

Product Details

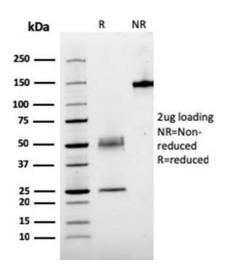
Immunogen:	A synthetic peptide around amino acids 1-34 of human mature-PTH-polypeptide (exact
	sequence is proprietary)
Clone:	RPTH-911
Isotype:	lgG2b kappa
Specificity:	Epitope of this MAb maps in the N-terminus of PTH, a hormone produced by the parathyroid
	gland that regulates the concentration of calcium and phosphorus in extracellular fluid. This
	hormone elevates blood Ca2+ 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.
	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.
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. Not suitable for frozen tissues.)
	(0.5-1 μ g/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.

Handling

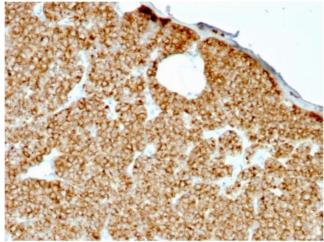
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

Images



SDS-PAGE

Image1.SDS-PAGEAnalysisPurifiedPTHMouseRecombinantMonoclonalAntibody(rPTH/911).Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human
Parathyroid stained with PTH Mouse Recombinant
Monoclonal Antibody (rPTH/911).