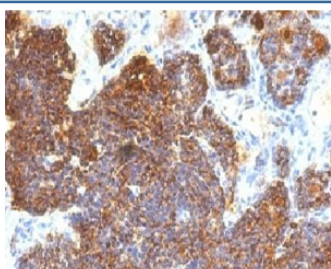


## Parathyroid Hormone Antibody [clone PRTM1-3] (V7126)

Catalog No.	Formulation	Size
V7126-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7126-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7126SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7126IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	PRTM1-3
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P01270
<b>Localization</b>	Cytoplasmic and secreted
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
<b>Limitations</b>	This Parathyroid Hormone antibody is available for research use only.



IHC testing of FFPE human parathyroid with Parathyroid Hormone antibody (clone PRTM1-3). FFPE testing requires sections to be boiled in pH 9 10mM Tris with 1mM EDTA for 10-20 minutes, followed by cooling at RT for 20 minutes, prior to staining.

## Description

Parathyroid hormone (PTH), parathormone or parathyrin, is secreted by the chief cells of the parathyroid glands as a polypeptide containing 84 amino acids, yet effective hormone-receptor interaction requires solely the 34-N-terminal amino acids. While PTH acts to increase the concentration of ionic calcium ( $\text{Ca}^{2+}$ ) in the blood, calcitonin, a hormone produced by the parafollicular cells (C cells) of the thyroid gland, acts to decrease ionic calcium concentration. PTH essentially acts to increase the concentration of calcium in the blood by acting upon the parathyroid hormone 1 receptor, which is present at high levels in bone and kidney, and the parathyroid hormone 2 receptor, which is present at high levels in the central nervous system, pancreas, testis, and placenta. [Wiki]

## Application Notes

Titration of the Parathyroid Hormone antibody may be required for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

A C-terminal partial recombinant protein from the human protein was used as the immunogen for the Parathyroid Hormone antibody.

## Storage

Store the Parathyroid Hormone antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).