

## Product datasheet

# Anti-Parathyroid Hormone antibody ab14164

### 1 References

#### Overview

<b>Product name</b>	Anti-Parathyroid Hormone antibody
<b>Description</b>	Goat polyclonal to Parathyroid Hormone
<b>Tested applications</b>	<b>Suitable for:</b> Functional Studies, RIA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human Parathyroid Hormone aa 1-38. Human PTH (aa 12-17; 1-34; 1-38; 1-84). Sequence: SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNF
	<a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Purity</b>	Whole antiserum
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

Our [Abpromise guarantee](#) covers the use of **ab14164** 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
Functional Studies		Use at an assay dependent concentration. PubMed: 21389278Used to block PTH activity
RIA		1/30000.

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<b>Function</b>	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.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the parathyroid hormone family.
<b>Cellular localization</b>	Secreted.

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