

Product datasheet

Anti-Parathyroid Hormone antibody ab14164

1 References

Overview

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

Properties

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

Target

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

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