


Anti-Parathyroid Hormone antibody [A1/70] ab14493

1 Image

Overview

Product name	Anti-Parathyroid Hormone antibody [A1/70]
Description	Mouse monoclonal [A1/70] to Parathyroid Hormone
Host species	Mouse
Specificity	ab14493 recognises parathyroid hormone peptides (aa 15-25; 1-34; 1-38; 1-84; 7-84). There are no cross reactivities obtained with synthetic parathyroid hormone peptides (aa 1-3; 1-10; 4-16; 28-48; 39-84; 44-68; 53-84) and PTHrP (aa 1-86).
Tested applications	Suitable for: ELISA, IHC-Fr, IHC-P, Sandwich ELISA, RIA
Species reactivity	Reacts with: Human, Recombinant fragment Predicted to work with: Rat, Cow, Cat, Dog, Pig, Cynomolgus monkey 
Immunogen	Poly lysin conjugated synthetic peptide: SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNFVALG , corresponding to amino acids 1-38 of Human Parathyroid Hormone. Run BLAST with Run BLAST with
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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.
Storage buffer	pH: 7.4 Constituents: 0.164% Sodium phosphate, 0.87% Sodium chloride
Purity	Protein A purified
Purification notes	Cell supernatant, Prot. A purified.
Clonality	Monoclonal

Clone number A1/70
Isotype IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab14493 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
ELISA		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
Sandwich ELISA		Use a concentration of 0.2 µg/ml. For sandwich ELISA, use this antibody as Capture at 0.2µg/ml with ab53040 as Detection.
RIA		Use at an assay dependent concentration. Use at a concentration of 2 ng/ml.

Target

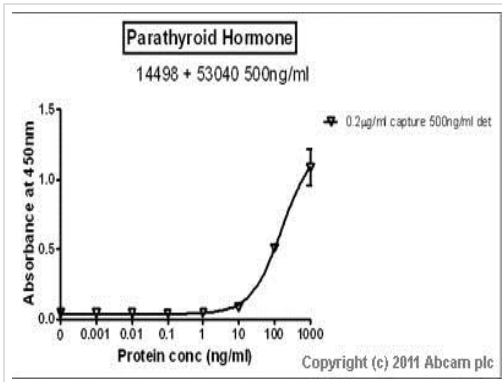
Function PTH elevates calcium level by dissolving the salts in bone and preventing their renal excretion. Stimulates [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblastic cells.

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.

Images



Standard curve for Parathyroid Hormone (Analyte: **ab51234**); dilution range 1pg/ml to 1µg/ml using Capture Antibody Mouse monoclonal [A1/70] to Parathyroid Hormone (ab14493) at 0.2µg/ml and Detector Antibody Rabbit polyclonal to Parathyroid Hormone (**ab53040**) at 0.5µg/ml.

Sandwich ELISA - Anti-Parathyroid Hormone antibody [A1/70] (ab14493)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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