

Product datasheet

Anti-Parathyroid Hormone antibody [EPR9939]
ab154792

Recombinant RabMAb

★★★★★ 1 Abreviews 1 References 4 Images

Overview

Product name	Anti-Parathyroid Hormone antibody [EPR9939]
Description	Rabbit monoclonal [EPR9939] to Parathyroid Hormone
Host species	Rabbit
Tested applications	Suitable for: ELISA, WB, IHC-P Unsuitable for: ICC or IP
Species reactivity	Reacts with: Human, Recombinant fragment
Immunogen	Recombinant fragment corresponding to Human Parathyroid Hormone.
Positive control	Tagged Parathyroid Hormone recombinant protein; Human parathyroid gland carcinoma tissue.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified

Clonality	Monoclonal
Clone number	EPR9939
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab154792 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

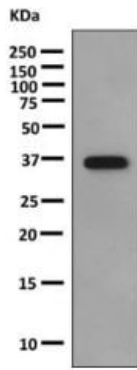
Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.
WB		1/50000 - 1/200000. Predicted molecular weight: 13 kDa.
IHC-P	★★★★★ (1)	1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for ICC or IP.

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



Western blot - Anti-Parathyroid Hormone antibody [EPR9939] (ab154792)

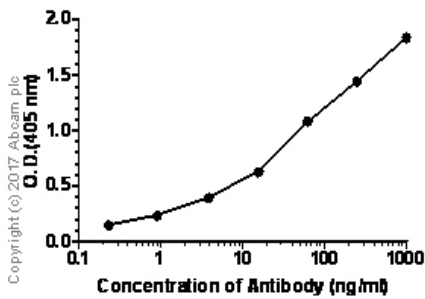
Anti-Parathyroid Hormone antibody [EPR9939] (ab154792) at 1/50000 dilution + Tagged Parathyroid Hormone recombinant protein at 0.01 μ g

Secondary

Goat anti-rabbit HRP at 1/2000 dilution

Predicted band size: 13 kDa

Direct ELISA antibody dose-response curve ab154792



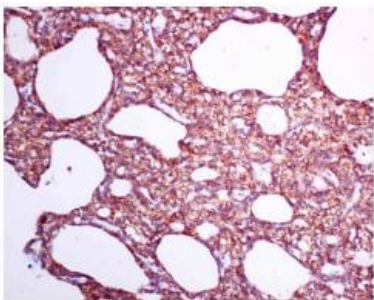
ELISA - Anti-Parathyroid Hormone antibody [EPR9939] (ab154792)

Direct ELISA antibody dose-response curve using recombinant anti-Human Parathyroid Hormone antibody (ab154792) against full length human parathyroid hormone protein followed Alkaline Phosphatase conjugated Goat Anti-Rabbit IgG secondary antibody.

Antigen concentration: 100 ng/ml

Primary ab concentration: 0-1000 ng/ml

Secondary ab concentration: 1:200 dilution



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Parathyroid Hormone antibody [EPR9939] (ab154792)

Immunohistochemical analysis of paraffin-embedded Human parathyroid gland carcinoma tissue labeling Parathyroid Hormone with ab154792 at 1/250 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Parathyroid Hormone antibody [EPR9939]
(ab154792)

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

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