

Product datasheet

Anti-Parathyroid Hormone antibody [EPR8480]
ab166631

Recombinant RabMAb

1 References 2 Images

Overview

Product name	Anti-Parathyroid Hormone antibody [EPR8480]
Description	Rabbit monoclonal [EPR8480] to Parathyroid Hormone
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: ICC/IF or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to residues in Human Parathyroid Hormone was used as an immunogen (UniProt: P01270). (The amino acid sequence is considered to be commercially sensitive).
Positive control	Recombinant protein; Human parathyroid gland tissue.
General notes	<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> <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>This product is a recombinant rabbit monoclonal antibody.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR8480
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab166631** 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
WB		1/1000 - 1/5000. Predicted molecular weight: 13 kDa. We have no preliminary WB testing data in natural sample.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for ICC/IF or IP.

Target

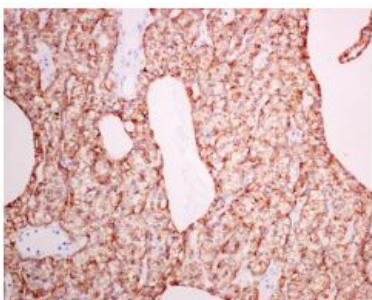
Function PTH elevates calcium level by dissolving the salts in bone and preventing their renal excretion. Stimulates [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblastic cells.

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.

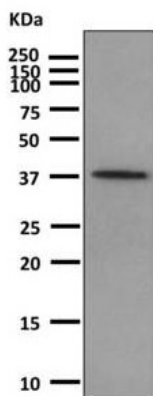
Cellular localization Secreted.

Images



Immunohistochemical analysis of paraffin embedded Human parathyroid gland tissue labeling Parathyroid Hormone with ab166631 at a 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Parathyroid Hormone antibody [EPR8480] (ab166631)



Western blot - Anti-Parathyroid Hormone antibody [EPR8480] (ab166631)

Anti-Parathyroid Hormone antibody [EPR8480] (ab166631) at 1/1000 dilution + 10 ng of tagged Human Parathyroid Hormone recombinant protein

Predicted band size: 13 kDa

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