


Product datasheet

Anti-Parathyroid Hormone antibody ab85730

1 Image

Overview

Product name	Anti-Parathyroid Hormone antibody
Description	Goat polyclonal to Parathyroid Hormone
Host species	Goat
Specificity	ab85730 recognizes Parathyroid hormone amino acids 1-84, 39-84 and 53-84. Does not recognize Parathyroid hormone amino acids 1-34.
Tested applications	Suitable for: ELISA, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Cat, Dog, Cynomolgus monkey 
Immunogen	Synthetic peptide: EWLRKKLQDV HNFVALGAPL APRDAGSQRP RK, corresponding to C terminal amino acids 53-84 of Human Parathyroid Hormone. Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Parathyroid tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 40% Glycerol, PBS, pH 7.2
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab85730** in the following tested applications.

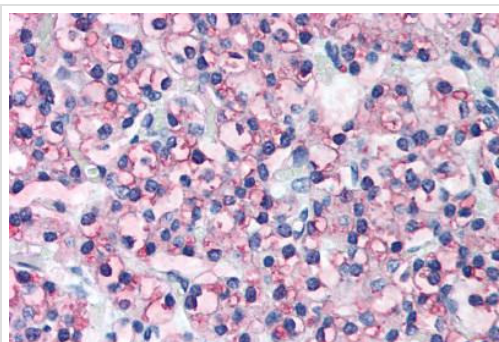
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.
IHC-P		Use a concentration of 5 µg/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



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human parathyroid tissue, staining Parathyroid Hormone with ab85730 at 5 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Parathyroid Hormone antibody (ab85730)

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