

**Pthlh antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10577****Specification****Pthlh antibody - middle region - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P22858</a>
Other Accession	<a href="#">NM_008970</a> , <a href="#">NP_032996</a>
Reactivity	Human, Mouse, Rat, Goat, Sheep, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Pig, Chicken, Guinea Pig
Clonality	Rabbit
Calculated MW	Polyclonal 16kDa KDa

**Pthlh antibody - middle region - Additional Information**

Alias Symbol **PTH-like, Pthrp**

**Other Names**

Parathyroid hormone-related protein, PTH-rP, PTHrP, Parathyroid hormone-like protein, PLP, Osteostatin, Pthlh, Pthrp

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-Pthlh antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

Pthlh antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**Pthlh antibody - middle region - Protein Information**

**Name** Pthlh

**Synonyms** Pthrp

**Function**

Neuroendocrine peptide which is a critical regulator of cellular and organ growth, development, migration, differentiation and survival and of epithelial calcium ion transport. Regulates endochondral bone development and epithelial-mesenchymal interactions during the formation of the mammary glands and teeth. Required for skeletal homeostasis. Promotes mammary mesenchyme differentiation and bud outgrowth by modulating mesenchymal cell responsiveness to BMPs. Up-regulates BMPRI1A expression in the mammary mesenchyme and this increases the sensitivity of these cells to BMPs and allows them to respond to BMP4 in a paracrine and/or

autocrine fashion. BMP4 signaling in the mesenchyme, in turn, triggers epithelial outgrowth and augments MSX2 expression, which causes the mammary mesenchyme to inhibit hair follicle formation within the nipple sheath.

**Cellular Location**

Cytoplasm. Nucleus. Secreted

**Pthlh antibody - middle region - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)