

Polyclonal Antibody to Parathyroid Hormone Related Protein (PTHrP)

Parathyroid Hormone Related Protein

Catalog # AP74697

Product Information

Application	WB
Primary Accession	P58073
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20408

Additional Information

Gene ID	286767
Other Names	PTHLH; HHM; PTHR; PLP; Osteostatin; Parathyroid Hormone Like Hormone
Target/Specificity	Bos taurus; Bovine (Cattle)
Dilution	WB~~Western blotting: 0.2-2 μ g/mL;1:250-2500 Immunohistochemistry: 5-20 μ g/mL;1:25-100 Immunocytochemistry: 5-20 μ g/mL;1:25-100 Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

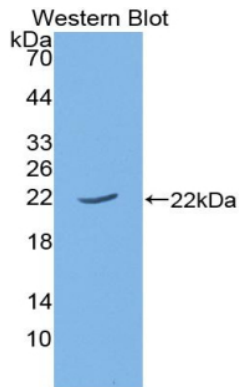
Name	PTHLH
Function	Neuroendocrine peptide which is a critical regulator of cellular and organ growth, development, migration, differentiation and survival and of epithelial calcium ion transport (By similarity). Acts by binding to its receptor, PTH1R, activating G protein-coupled receptor signaling (By similarity). Regulates endochondral bone development and epithelial-mesenchymal interactions during the formation of the mammary glands and teeth (By similarity). Required for skeletal homeostasis. Promotes mammary mesenchyme differentiation and bud outgrowth by modulating mesenchymal cell responsiveness to BMPs (By similarity). Up-regulates BMPR1A 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 (By similarity).

Cellular Location

Secreted {ECO:0000250|UniProtKB:P12272}. Cytoplasm {ECO:0000250|UniProtKB:P12272}. Nucleus {ECO:0000250|UniProtKB:P12272}

Images



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