

## Datasheet

### PTHLH monoclonal antibody (M01), clone 3H1-5G8

**Catalog Number:** H00005744-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant PTHLH.

**Clone Name:** 3H1-5G8

**Immunogen:** PTHLH (AAH05961, 1 a.a. ~ 175 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Sequence:**

MQRRLVQQWSVAVFLLSYAVPSCGRSVEGLSRRLKR  
AVSEHQLLHDKGKSIQDLRRRFFLHHLIAEIHTAEIRAT  
SEVSPNSKPSNTKNHPVRFSGSDDEGRYLTQETNKVE  
TYKEQPLKTPGKKKKGKPGKRKEQEKKRRTRSAWL  
DSGVTGSGLEGDHLSDTSTTSLELDSR

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IF, IHC-P, S-ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Isotype:** IgG2b kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 5744

**Gene Symbol:** PTHLH

**Gene Alias:** HHM, MGC14611, PLP, PTHR, PTHRP

**Gene Summary:** The protein encoded by this gene is a member of the parathyroid hormone family. This

hormone regulates endochondral bone development and epithelial-mesenchymal interactions during the formation of the mammary glands and teeth. This hormone is involved in lactation possibly by regulating the mobilization and transfer of calcium to the milk. The receptor of this hormone, PTHR1, is responsible for most cases of humoral hypercalcemia of malignancy. Four alternatively spliced transcript variants encoding two distinct isoforms have been observed. There is also evidence for alternative translation initiation from non-AUG (CUG and GUG) start sites, in-frame and downstream of the initiator AUG codon, to give rise to nuclear forms of this hormone. [provided by RefSeq]

**References:**

1. The Expression of PTHLH in Human Gastric Mucosa Enterochromaffin-Like Cells. Liu C, Chen J, Guo Y, Yang L, Zhao C, Bai L. Dig Dis Sci. 2010 Sep 16. [Epub ahead of print]