

**Product Name: PTH Mouse Monoclonal Antibody**  
**Catalog #: AMM82598**



## Summary

|                        |                               |
|------------------------|-------------------------------|
| <b>Production Name</b> | PTH Mouse Monoclonal Antibody |
| <b>Description</b>     | Mouse Monoclonal Antibody     |
| <b>Host</b>            | Mouse                         |
| <b>Application</b>     | IHC,ICC,FC,ELISA              |
| <b>Reactivity</b>      | Human                         |

## Performance

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                             |
| <b>Modification</b> | Unmodified                                                                               |
| <b>Isotype</b>      | Mouse IgG2b                                                                              |
| <b>Clonality</b>    | Monoclonal                                                                               |
| <b>Form</b>         | Liquid                                                                                   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Purified antibody in PBS with 0.05% sodium azide                                         |
| <b>Purification</b> | Affinity Purification                                                                    |

## Immunogen

|                          |                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | PTH                                                                                  |
| <b>Alternative Names</b> | FIH1; PTH1                                                                           |
| <b>Gene ID</b>           | 5741.0                                                                               |
| <b>SwissProt ID</b>      | P01270.Purified recombinant fragment of human PTH (AA: 32-115) expressed in E. Coli. |

## Application

|                         |                                                                |
|-------------------------|----------------------------------------------------------------|
| <b>Dilution Ratio</b>   | IHC:1:200-1:1000,ICC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000 |
| <b>Molecular Weight</b> | 12.8kDa                                                        |

## Background

This gene encodes a member of the parathyroid family of proteins. The encoded preproprotein is proteolytically processed

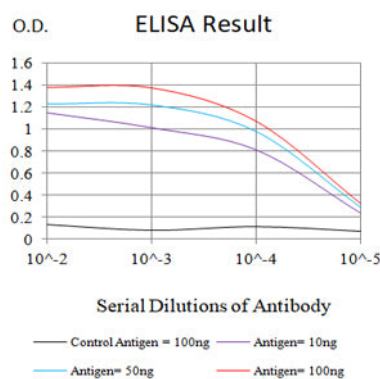
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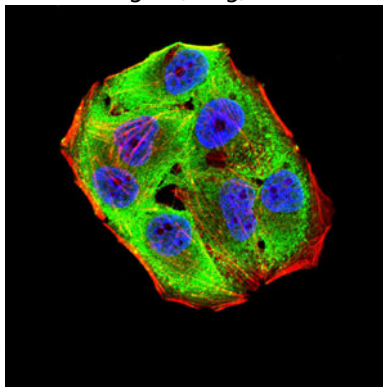
to generate a protein that binds to the parathyroid hormone/parathyroid hormone-related peptide receptor and regulates blood calcium and phosphate levels. Excess production of the encoded protein, known as hyperparathyroidism, can result in hypercalcemia and kidney stones. On the other hand, defective processing of the encoded protein may lead to hypoparathyroidism, which can result in hypocalcemia and numbness. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

## Research Area

## Image Data

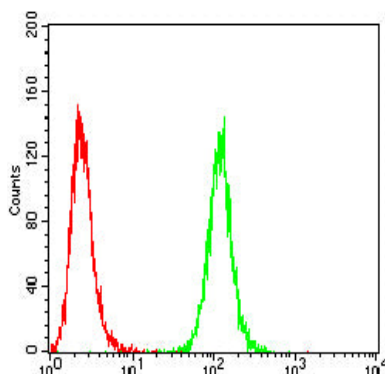


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

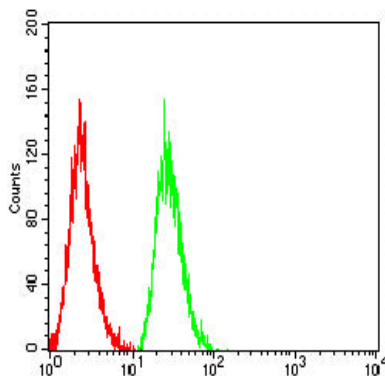


Immunofluorescence analysis of HeLa cells using PTH mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

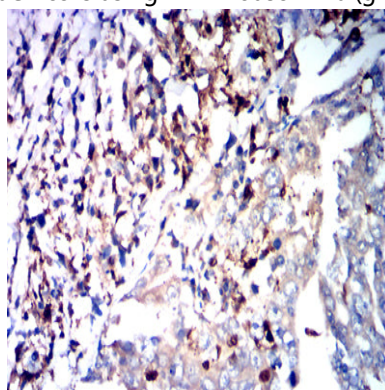
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Flow cytometric analysis of Hela cells using PTH mouse mAb (green) and negative control (red).



Flow cytometric analysis of HepG2 cells using PTH mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissues using PTH mouse mAb with DAB staining.

## Note

For research use only.