For Research Use Only

PTH1R Recombinant monoclonal antibody

Catalog Number:87076-3-RR

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Basic Information

Catalog Number:
87076-3-RR

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG6501

GenBank Accession Number:
NM_000316.2

GeneID (NCBI):
5745

UNIPROT ID:
Q03431

Full Name:
parathyroid hormone 1 receptor

Calculated MW:
66 kDa

Observed MW:
66 kDa and 90 kDa

Purification Method:
Protein A purification

CloneNo.:
252173F3

Recommended Dilutions:
WB: 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse

Positive Controls:

WB : HeLa cells, HEK-293 cells, mouse kidney tissue, HepG2 cells, MCF-7 cells, U2OS cells

Background Information

PTH1R is a receptor for parathyroid hormone and parathyroid hormone-related peptide (PTHrP). PTH1R is a glycoprotein with seven transmembrane domains and it has an extracellular N-terminus region and an intracellular C-terminus region. The activity of PTH1R is mediated by G proteins which activate adenylyl cyclase. It has been reported that PTHrP and PTH1R are associated with the differentiation of bone and cartilage in the developing stages. The calculated molecular weight of PTH1R is 66 kDa, and PTH1R can form a 120 kDa dimer in the non-reducing condition. With glycosylation modification, the molecular weight of PTH1R will migrate to 90 kDa (PMID: 16783882).

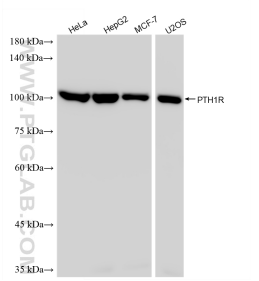
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

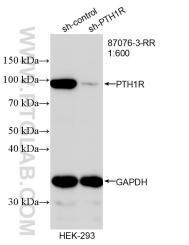
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87076-3-RR (PTH1R antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of PTH1R antibody (87076-3-RR; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-PTH1R transfected HEK-293 cells.