

For Research Use Only

PTH1R Polyclonal antibody

Catalog Number: 24275-1-AP



Basic Information

Catalog Number: 24275-1-AP	GenBank Accession Number: BC110388	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 5745	Recommended Dilutions: WB 1:500-1:1000 IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q03431	
Isotype: IgG	Full Name: parathyroid hormone 1 receptor	
Immunogen Catalog Number: AG17577	Calculated MW: 593 aa, 66 kDa	
	Observed MW: 70-80 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Species Specificity:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: U2OS cells, HepG2 cells, mouse liver tissue

IHC: mouse kidney tissue, human pancreas cancer tissue

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. PTH1R has several isoforms with 66/59 kDa and PTH1R can form a 120 kDa dimer in the non-reducing condition. 24275-1-AP antibody detects 80 kDa protein which is similar to the results reported in publications. (PMID: 19507249, 27160269)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

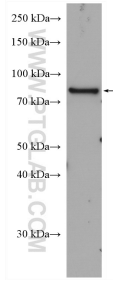
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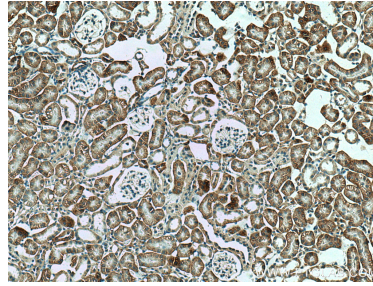
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Selected Validation Data



U2OS cells were subjected to SDS PAGE followed by western blot with 24275-1-AP (PTH1R antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 24275-1-AP (PTH1R antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).