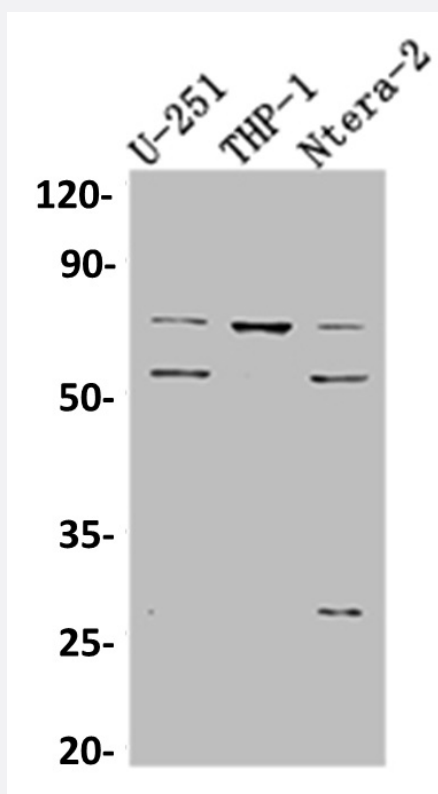


RecomAb™

PTH1R recombinant monoclonal antibody, clone 1G7

Catalog # RAB07420 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of U-251 whole cell lysate, THP-1 whole cell lysate, Ntera-2 whole cell lysate with PTH1R recombinant monoclonal antibody, clone 1G7 (Cat # RAB07420).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PTH1R.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PTH1R.
Theoretical MW (kDa)	Calculated MW: 67
Reactivity	Human

Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of U-251 whole cell lysate, THP-1 whole cell lysate, Ntera-2 whole cell lysate with PTH1R recombinant monoclonal antibody, clone 1G7 (Cat # RAB07420).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PTH1R

Entrez GeneID	5745
Protein Accession#	Q03431
Gene Name	PTH1R
Gene Alias	MGC138426, MGC138452, PTHR, PTHR1
Gene Description	parathyroid hormone 1 receptor
Omim ID	156400 166000 168468
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a member of the G-protein coupled receptor family 2. This protein is a receptor for parathyroid hormone (PTH) and for parathyroid hormone-like hormone (PTHrP). The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system. Defects in this receptor are known to be the cause of Jansen's metaphyseal chondrodysplasia (JMC), chondrodysplasia Blomstrand type (BOCD), as well as enchondromatosis. [provided by RefSeq]

Other Designations

PTH/PTHr receptor|PTH/PTHrP type I receptor|parathyroid hormone receptor 1|parathyroid hormone/parathyroid hormone-related peptide receptor|parathyroid hormone/parathyroid hormone-related protein receptor|seven transmembrane helix receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alzheimer disease](#)
- [Bone Resorption](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteonecrosis](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)

- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)