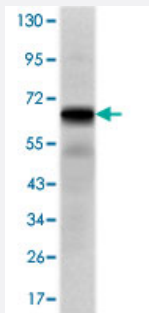


PTH1R monoclonal antibody, clone 4D2

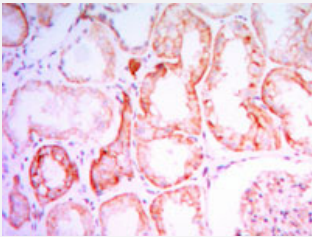
Catalog # MAB10307 Size 100 uL

Applications



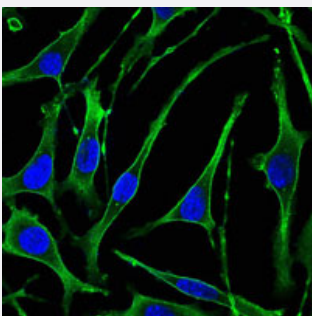
Western Blot (Transfected lysate)

Western blot analysis using PTH1R monoclonal antibody, clone 4D2 (Cat # MAB10307) against PTH1R-hlgGfc transfected HEK293 cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human kidney tissue using PTH1R monoclonal antibody, clone 4D2 (Cat # MAB10307) with DAB staining.



Immunofluorescence

Immunofluorescence analysis of SK-BR-3 cells using PTH1R monoclonal antibody, clone 4D2 (Cat # MAB10307) (green). Blue: DRAQ5 fluorescent DNA dye.

Specification

Product Description

Mouse monoclonal antibody raised against recombinant PTH1R.

Immunogen

Recombinant protein corresponding to human PTH1R.

Host	Mouse
Theoretical MW (kDa)	66
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°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 (Transfected lysate)

Western blot analysis using PTH1R monoclonal antibody, clone 4D2 (Cat # MAB10307) against PTH1R-hlgGfc transfected HEK293 cell lysate.

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- Immunofluorescence

Immunofluorescence analysis of SK-BR-3 cells using PTH1R monoclonal antibody, clone 4D2 (Cat # MAB10307) (green). Blue: DRAQ5 fluorescent DNA dye.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PTH1R

Entrez GeneID

[5745](#)

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](#)