

ARG62588
anti-PTHr1 antibody [3D1.1]

Package: 100 µl

Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [3D1.1] recognizes PTHR1
Tested Reactivity	Hu
Tested Application	IHC, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	3D1.1
Isotype	IgG1, kappa
Target Name	PTHr1
Species	Human
Immunogen	Synthetic peptide corresponding to amino acids 146-169 of the human PTH/PTHrP receptor (RRCDRNGSWELVPGHNRTWANYSE).
Conjugation	Un-conjugated
Alternate Names	Parathyroid hormone/parathyroid hormone-related peptide receptor; PTH/PTHrP type I receptor; Parathyroid hormone 1 receptor; PTHR1; PTH/PTHr receptor; PFE; PTHR; PTH1 receptor

Application Instructions

Application Note	WB: 0.5-2 µg/ml IHC: 1/10 - 1/500 IHC-P: 5 µg/ml * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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Properties

Form	Liquid
Purification	Protein G purified
Buffer	1X PBS buffer with < 0.1% sodium azide.
Preservative	< 0.1% sodium azide.
Concentration	2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 5745 Human Swiss-port # Q03431 Human
Gene Symbol	PTH1R
Gene Full Name	parathyroid hormone 1 receptor
Background	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. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, May 2010]
Function	This is a receptor for parathyroid hormone and for parathyroid hormone-related peptide. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system. [UniProt]
Research Area	Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	66 kDa