



Anti-PTH1R (aa 27-134) polyclonal antibody (DPAB-DC2582)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 Jansens metaphyseal chondrodysplasia (JMC), chondrodysplasia Blomstrand type (BOCD), as well as enchondromatosis. Two transcript variants encoding the same protein have been found for this gene.
Immunogen	PTHrP (NP_000307, 27 a.a. ~ 134 a.a) partial recombinant protein with GST tag. The sequence is DADDVMTKEEQIFLLHRAQAQCEKRLKEVLQRPASIMESDKGWTSASTSGKPRKDKASGK LYPESEEDKEAPTGSRYRGRPCLPEWDHILCWPLGAPGEVVAVPCPDY
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PTH1R parathyroid hormone 1 receptor [Homo sapiens (human)]
Official Symbol	PTH1R
Synonyms	PTH1R; parathyroid hormone 1 receptor; PFE; PTHR; PTHR1; parathyroid hormone/parathyroid hormone-related peptide receptor; PTH1 receptor; PTH/PTHr receptor; PTH/PTHrP type I receptor; parathyroid hormone receptor 1; seven transmembrane helix receptor; parathyroid hormone/parathyroid hormone-related protein receptor;
Entrez Gene ID	5745
Protein Refseq	NP_000307
UniProt ID	A0A024R2Z8
Chromosome Location	3p22-p21.1
Pathway	Class B/2 (Secretin family receptors); Endocrine and other factor-regulated calcium reabsorption; G alpha (s) signalling events; GPCR ligand binding
Function	parathyroid hormone receptor activity; peptide hormone binding; protein binding; protein self-association