



Anti-PTH monoclonal antibody, clone 2F2 (CABT-19663MH)

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 hormone secreted by parathyroid cells. This hormone elevates blood Ca ²⁺ level by dissolving the salts in bone and preventing their renal excretion. Defects in this gene are a cause of familial isolated hypoparathyroidism (FIH). Mouse monoclonal antibody raised against a full length recombinant PTH.
Immunogen	PTH (NP_000306, 32 a.a.-115 a.a.) partial recombinant protein.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	2F2
Conjugate	Unconjugated
Applications	IP,ELISA
Sequence Similarities	SVSEIQLMHNLGKHLNSMERVEWLRKKLQDVHNFVALGAPLAPRDAGSQRPRKKEDNVLV ESHEKSLGEADKADVNVLTKAKSQ
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PTH parathyroid hormone [Homo sapiens]
Official Symbol	PTH
Synonyms	parathyroid hormone; parathyroid hormone 1; Parathormone; Parathyrin; PTH1; OTTHUMP00000230966
Entrez Gene ID	5741
Protein Refseq	NP_000306
UniProt ID	P01270
Chromosome Location	11p15.3-p15.1
Pathway	Class B/2 (Secretin family receptors), organism-specific biosystem; Endochondral Ossification, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Osteoblast Signaling, organism-specific biosystem
Function	hormone activity; parathyroid hormone receptor binding; peptide hormone receptor binding