

PTHR / PTHR1 Antibody
Mouse Monoclonal Antibody
Catalog # ALS12187**Specification**

PTHR / PTHR1 Antibody - Product Information

Application	IHC
Primary Accession	Q03431
Reactivity	Human, Mouse, Monkey, Pig, Horse, Bovine, Dog
Host	Mouse
Clonality	Monoclonal
Calculated MW	66kDa KDa

PTHR / PTHR1 Antibody - Additional Information**Gene ID** 5745**Other Names**

Parathyroid hormone/parathyroid hormone-related peptide receptor, PTH/PTHrP type I receptor, PTH/PTHr receptor, Parathyroid hormone 1 receptor, PTH1 receptor, PTH1R, PTHR, PTHR1

Target/Specificity

Recognizes human PTH/PTHrP receptor, MW 80kD, and the receptor dimer, Mr 160kD. A faint nonspecific band at 110kD is also detected. This antibody does not detect the PTH2 receptor.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

PTHR / PTHR1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PTHR / PTHR1 Antibody - Protein Information**Name** PTH1R**Synonyms** PTHR, PTHR1**Function**

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.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

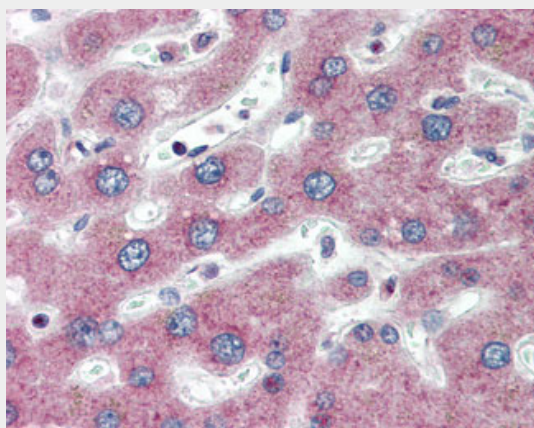
Expressed in most tissues. Most abundant in kidney, bone and liver.

PTHr / PTHR1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PTHr / PTHR1 Antibody - Images



Anti-PTH1R antibody IHC of human liver.

PTHr / PTHR1 Antibody - Background

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.

PTHr / PTHR1 Antibody - References

- Schipani E., et al. *Endocrinology* 132:2157-2165(1993).
Schneider H., et al. *Eur. J. Pharmacol.* 246:149-155(1993).
Schipani E., et al. *J. Clin. Endocrinol. Metab.* 80:1611-1621(1995).
Levine M.A., et al. Submitted (NOV-1994) to the EMBL/GenBank/DDBJ databases.
King M.M., et al. Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.