

Product datasheet

Anti-Parathyroid Hormone Receptor 1/PTH1R antibody ab176393

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Overview

Product name	Anti-Parathyroid Hormone Receptor 1/PTH1R antibody
Description	Rabbit polyclonal to Parathyroid Hormone Receptor 1/PTH1R
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Dog, Pig, Orangutan 
Immunogen	Synthetic peptide corresponding to Human Parathyroid Hormone Receptor 1/PTH1R aa 388-406 (C terminal). Sequence: KLRETNAGRCDTRQQYRKL Database link: Q03431 Run BLAST with Run BLAST with
Positive control	SKOV, U20S, HeLa and SMMC cell lysates; Human thyroid cancer tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservatives: 0.025% Thimerosal (merthiolate), 0.025% Sodium azide Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

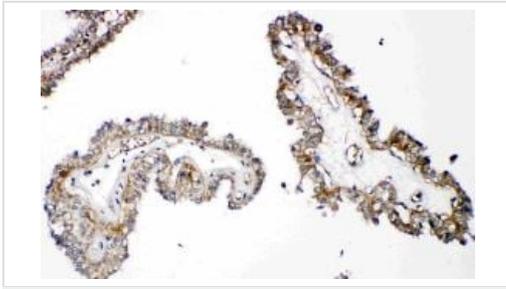
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab176393 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.1 - 0.5 µg/ml. Predicted molecular weight: 66 kDa.
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

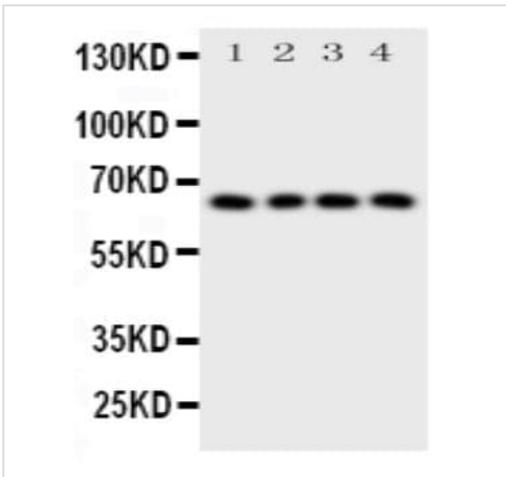
Function	Receptor for parathyroid hormone and for parathyroid hormone-related peptide. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system.
Tissue specificity	Expressed in most tissues. Most abundant in kidney, bone and liver.
Involvement in disease	Jansen metaphyseal chondrodysplasia Chondrodysplasia Blomstrand type Enchondromatosis multiple Eiken skeletal dysplasia Primary failure of tooth eruption
Sequence similarities	Belongs to the G-protein coupled receptor 2 family.
Cellular localization	Cell membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Parathyroid Hormone Receptor 1/PTH1R antibody (ab176393)

Immunohistochemical analysis of Paraffin-embedded Human thyroid cancer tissue labeling Parathyroid Hormone Receptor 1/PTH1R with ab176393 at 1 µg/ml.



Western blot - Anti-Parathyroid Hormone Receptor 1/PTH1R antibody (ab176393)

All lanes : Anti-Parathyroid Hormone Receptor 1/PTH1R antibody (ab176393) at 0.5 µg/ml

Lane 1 : SKOV cell lysates

Lane 2 : U2OS cell lysates

Lane 3 : HeLa cell lysates

Lane 4 : SMMC cell lysates

Predicted band size: 66 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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