Anti-Parathyroid Hormone antibody ab40630

Overview

Product name: Anti-Parathyroid Hormone antibody
Description: Rabbit polyclonal to Parathyroid Hormone
Host species: Rabbit
Tested applications: Suitable for: ELISA, WB, RIA, ICC, IHC-FoFr
Species reactivity: Reacts with: Human
Predicted to work with: Cynomolgus monkey
Immunogen: Synthetic peptide corresponding to Human Parathyroid Hormone aa 32-65.
Sequence: SVSEIQLMHN LGKHLNSMER VEWLRKKLQD VHNF
Database link: P01270

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: Constituents: 0.01% BSA, PBS
Purity: Whole antiserum
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab40630 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ELISA</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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<td>Application</td>
<td>Abreviews</td>
<td>Notes</td>
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<tr>
<td>WB</td>
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<td>Use at an assay dependent concentration. Predicted molecular weight: 13 kDa. Blocking with 5% goat or donkey serum significantly reduces background as compared to BSA or milk.</td>
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<td>RIA</td>
<td>1/12000.</td>
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<td>ICC</td>
<td>1/500.</td>
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<tr>
<td>IHC-FoFr</td>
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<td>Use at an assay dependent concentration.</td>
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### Target

#### Function
PTH elevates calcium level by dissolving the salts in bone and preventing their renal excretion. Stimulates [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblastic cells.

#### Involvement in disease
Defects in PTH are a cause of familial isolated hypoparathyroidism (FIH) [MIM:146200]; also called autosomal dominant hypoparathyroidism or autosomal dominant hypocalcemia. FIH is characterized by hypocalcemia and hyperphosphatemia due to inadequate secretion of parathyroid hormone. Symptoms are seizures, tetany and cramps. FIH exist both as autosomal dominant and recessive forms of hypoparathyroidism.

#### Sequence similarities
Belongs to the parathyroid hormone family.

#### Cellular localization
Secreted.

### Images

Western blot - Anti-Parathyroid Hormone antibody (ab40630)

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