Product datasheet

Anti-Parathyroid Hormone antibody ab14164

1 References

Overview

Product name: Anti-Parathyroid Hormone antibody
Description: Goat polyclonal to Parathyroid Hormone
Host species: Goat
Tested applications: Suitable for: Functional Studies, RIA
Species reactivity: Reacts with: Human
Immunogen: Synthetic peptide corresponding to Human Parathyroid Hormone aa 1-38. Human PTH (aa 12-17; 1-34; 1-38; 1-84).
Sequence: SVEIQLMHLNGLNLSMEVWLRKKLQDVHNF

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Purity: Whole antiserum
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab14164 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>Functional Studies</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 21389278Used to block PTH activity</td>
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<td>RIA</td>
<td></td>
<td>1/30000.</td>
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<td><strong>Target</strong></td>
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<td><strong>Function</strong></td>
<td>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.</td>
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<tr>
<td><strong>Involvement in disease</strong></td>
<td>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.</td>
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<td><strong>Sequence similarities</strong></td>
<td>Belongs to the parathyroid hormone family.</td>
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<td><strong>Cellular localization</strong></td>
<td>Secreted.</td>
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</table>

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