Datasheet: 8330-0009

Description: RAT ANTI HUMAN SOMATOSTATIN

Specificity: SOMATOSTATIN

Format: S/N

Product Type: Monoclonal Antibody

Clone: YC7

Isotype: IgG2b

Quantity: 0.2 ml

RRID: AB_2195908

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Western Blotting</td>
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<td>Immunofluorescence</td>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Rat, Guinea Pig, Pig, Mouse, Zebrafish

N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Tissue Culture Supernatant - liquid

Preservative Stabilisers

0.05% Thiomersal

Immunogen

Somatostatin conjugated to thyroglobulin.

External Database

Links

UniProt: P61278 Related reagents

Entrez Gene: 6750 SST Related reagents
Fusion Partners  
Spleen cells from rats immunised with somatostatin conjugated to thyroglobulin were fused with a rat myeloma cell line.

Specificity  
**Rat anti Human Somatostatin antibody, clone YC7** recognizes somatostatin, a hormone involved in endocrine system regulation through interactions with pituitary growth hormone, thyroid stimulating hormone, and a number of hormones of the gastrointestinal tract. Somatostatin has active 14 amino acid and 28 amino acid forms, produced by alternate cleavage of the gene product.

This antibody does not cross react with enkephalins, other endorphins, substance P, or CGRP. It partially cross reacts with somatostatin fragments.

The epitope recognized by this antibody lies within the 1-14 amino acid sequence of cyclic somatostatin.

References


Further Reading


Storage  
Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before
Guarantee
18 months from date of despatch.

Health And Safety Information
Material Safety Datasheet documentation #10522 available at:

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies

<table>
<thead>
<tr>
<th>Antibody</th>
<th>foreseeable antigen</th>
<th>foreseeable enzyme</th>
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<tbody>
<tr>
<td>Rabbit Anti Rat IgG (STAR17...)</td>
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<td>FITC</td>
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<tr>
<td>Goat Anti Rat IgG (STAR69...)</td>
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<td>Goat Anti Rat IgG (STAR131...)</td>
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<td>RPE, Biotin</td>
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<td>Goat Anti Rat IgG (STAR73...)</td>
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<td>Rabbit Anti Rat IgG (STAR21...)</td>
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<td>HRP</td>
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<td>DyLight®800</td>
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<tr>
<td>Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)</td>
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<td>DyLight®800</td>
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Recommended Negative Controls

RAT IgG2b NEGATIVE CONTROL (MCA6006GA)