

# Somatostatin Receptor 2 peptide ab171899

### 3 References

#### Description

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<b>Product name</b>	Somatostatin Receptor 2 peptide
<b>Accession</b>	<b><u>P30874</u></b>
<b>Animal free</b>	No
<b>Nature</b>	Synthetic

#### Specifications

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Our **Abpromise guarantee** covers the use of **ab171899** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Blocking - Blocking peptide for Anti-Somatostatin Receptor 2 antibody [UMB1] - C-terminal ( <b><u>ab134152</u></b> )
<b>Form</b>	Liquid
<b>Additional notes</b>	<ul style="list-style-type: none"><li>- First try to dissolve a small amount of peptide in either water or buffer. The more charged residues on a peptide, the more soluble it is in aqueous solutions.</li><li>- If the peptide doesn't dissolve try an organic solvent e.g. DMSO, then dilute using water or buffer.</li><li>- Consider that any solvent used must be compatible with your assay. If a peptide does not dissolve and you need to recover it, lyophilise to remove the solvent.</li><li>- Gentle warming and sonication can effectively aid peptide solubilisation. If the solution is cloudy or has gelled the peptide may be in suspension rather than solubilised.</li><li>- Peptides containing cysteine are easily oxidised, so should be prepared in solution just prior to use.</li></ul>

#### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
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#### General Info

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<b>Function</b>	Receptor for somatostatins-14 and -28. This receptor is coupled via pertussis toxin sensitive G proteins to inhibition of adenylyl cyclase. In addition it stimulates phosphotyrosine phosphatase and PLC via pertussis toxin insensitive as well as sensitive G proteins. In RIN-5F cells, this
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receptor inhibits calcium entry by suppressing voltage dependent calcium-channels.

**Tissue specificity**

Cerebrum and kidney. In lesser amounts in jejunum, colon and liver.

**Sequence similarities**

Belongs to the G-protein coupled receptor 1 family.

**Cellular localization**

Cell membrane.

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

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