

**NPSR1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10683b****Specification**

---

**NPSR1 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q6W5P4](#)**NPSR1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 387129**Other Names**

Neuropeptide S receptor, G-protein coupled receptor 154, G-protein coupled receptor PGR14, G-protein coupled receptor for asthma susceptibility, NPSR1, GPR154, GPRA, PGR14

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**NPSR1 Antibody (C-term) Blocking peptide - Protein Information****Name** NPSR1**Synonyms** GPR154, GPRA, PGR14**Function**

G-protein coupled receptor for neuropeptide S (NPS) (PubMed:&lt;a href="http://www.uniprot.org/citations/16790440" target="\_blank"&gt;16790440&lt;/a&gt;). Promotes mobilization of intracellular Ca(2+) stores (PubMed:&lt;a href="http://www.uniprot.org/citations/16790440" target="\_blank"&gt;16790440&lt;/a&gt;). Inhibits cell growth in response to NPS binding (PubMed:&lt;a href="http://www.uniprot.org/citations/15947423" target="\_blank"&gt;15947423&lt;/a&gt;). Involved in pathogenesis of asthma and other IgE- mediated diseases.

**Cellular Location**

[Isoform 1]: Cell membrane; Multi-pass membrane protein [Isoform 4]: Cell membrane; Multi-pass membrane protein [Isoform 5]: Cytoplasm [Isoform 7]: Cytoplasm

**Tissue Location**

Isoform 4 is ubiquitous; it is detected in glandular epithelia of bronchus, stomach, small intestine, colon, uterus, esophagus, spleen, kidney, pancreas, prostate and breast Isoform 1 is detected in

uterus, colon and prostate, and in the smooth muscle cell layer in bronchial and arterial walls (at protein level) (PubMed:15947423). Isoform 1 is predominantly expressed in smooth muscle. Isoform 4 is predominantly expressed in epithelial cells. In bronchial biopsies, it is expressed in smooth muscle cells of asthma patients, but not in control patients; whereas in epithelial cells, its expression is consistently stronger in asthma patients

### **NPSR1 Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **NPSR1 Antibody (C-term) Blocking peptide - Images**

### **NPSR1 Antibody (C-term) Blocking peptide - Background**

NPSR1 is a member of the G protein-coupled receptor 1 family and encodes a plasma membrane protein. Increased expression of this gene in ciliated cells of the respiratory epithelium and in bronchial smooth muscle cells is associated with asthma.

### **NPSR1 Antibody (C-term) Blocking peptide - References**

Raczka, K.A., et al. Mol. Psychiatry 15 (11), 1045 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Donner, J., et al. Biol. Psychiatry 68(5):474-483(2010)Domschke, K., et al. Mol. Psychiatry (2010) In press :Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)