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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:16790440). Promotes mobilization of intracellular

NPSR1 Antibody (C-term) Blocking peptide - Background

NPSR1 is a member of the G protein-coupled receptor 1family and encodes a plasma membrane protein. Increased expressionof this gene in ciliated cells of the respiratory epithelium and inbronchial 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)

Ca(2+) stores (PubMed:16790440). Inhibits cell growth in response to NPS binding (PubMed:15947423). 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