

**NPSR1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54498****Specification****NPSR1 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q6W5P4</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42687

**NPSR1 Polyclonal Antibody - 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

**Dilution**

<span class = "dilution\_WB">WB~~1:1000</span><br \><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_E">E~~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**NPSR1 Polyclonal Antibody - Protein Information****Name** NPSR1**Synonyms** GPR154, GPRA, PGR14**Function**

G-protein coupled receptor for neuropeptide S (NPS) (PubMed:<a href="http://www.uniprot.org/citations/16790440" target="\_blank">16790440</a>). Promotes mobilization of intracellular Ca(2+) stores (PubMed:<a href="http://www.uniprot.org/citations/16790440" target="\_blank">16790440</a>). Inhibits cell growth in response to NPS binding (PubMed:<a href="http://www.uniprot.org/citations/15947423" target="\_blank">15947423</a>). 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 Polyclonal Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**NPSR1 Polyclonal Antibody - Images**