

# **NPSR1 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54498

# **Specification**

# **NPSR1 Polyclonal Antibody - Product Information**

Application Primary Accession Reactivity Host

Clonality Calculated MW WB, IHC-P, IHC-F, IF, ICC

Q6W5P4

Rat, Pig, Dog, Bovine

Rabbit Polyclonal 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

### **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

 $href="http://www.uniprot.org/citations/16790440" \ target="\_blank">16790440</a>). Promotes mobilization of intracellular Ca(2+) stores (PubMed:<a$ 

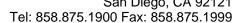
href="http://www.uniprot.org/citations/16790440" target="\_blank">16790440</a>). Inhibits cell growth in response to NPS binding (PubMed:<a href="http://www.uniprot.org/citations/15947423" target="\_blank">15947423</a>). Involved in pathogenesis of asthma and other IgE- mediated diseases.

## **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
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

NPSR1 Polyclonal Antibody - Images