# TACR2 polyclonal antibody

Catalog # PAB7608 Size 100 ug

## Specification

| | |
|---|---|
| **Product Description** | Goat polyclonal antibody raised against synthetic peptide of TACR2. |
| **Immunogen** | A synthetic peptide corresponding to human TACR2. |
| **Sequence** | STRVNRCHTKET |
| **Host** | Goat |
| **Theoretical MW (kDa)** | 44.4 |
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Concentration** | 0.5 mg/mL |
| **Quality Control Testing** | Antibody Reactive Against Synthetic Peptide. |
| **Recommend Usage** | ELISA (1:2000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide) |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — TACR2

| | |
|---|---|
| **Entrez GeneID** | 6865 |
| **Protein Accession#** | NP_001048.2 |
| **Gene Name** | TACR2 |
| **Gene Alias** | NK2R, NKNAR, SKR, TAC2R |
| **Gene Description** | tachykinin receptor 2 |
| **Omim ID** | 162321 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene belongs to a family of genes that function as receptors for tachykinins. Receptor affinities are specified by variations in the 5'-end of the sequence. The receptors belonging to this family are characterized by interactions with G proteins and 7 hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin neuropeptide substance K, also referred to as neurokinin A. [provided by RefSeq |
| **Other Designations** | NK-2 receptor\|OTTHUMP00000019722\|neurokinin 2 receptor\|neurokinin A receptor\|seven trans membrane helix receptor\|substance K receptor |

## Publication Reference

- Increased neurokinin-2 receptor expression in alveolar macrophages of smokers with COPD.

  Miotto D, Boschetto P, Cavallesco G, Zeni E, Querzoli P, Pedriali M, Chiarelli S, Fabbri LM, Mapp CE.

  Histopathology 2007 Jul; 51(1):128.

  Application: IHC-P, Human, Human peripheral lung

## Pathway

- Calcium signaling pathway
- Neuroactive ligand-receptor interaction

## Disease

- Alzheimer disease
- Asthma
- Bronchiolitis
- Chronic Disease
- Constipation
- Cough
- Genetic Predisposition to Disease
- Infant
- Mental Disorders
- Respiratory Syncytial Virus Infections