

Goat Anti-TACR1 Antibody

Peptide-affinity purified goat antibody Catalog # AF2061a

Specification

Goat Anti-TACR1 Antibody - Product Information

Application WB, E
Primary Accession P25103

Other Accession NP 056542, 6869, 21336 (mouse), 24807 (rat)

Reactivity Human

Predicted Mouse, Rat, Dog

Host Goat
Clonality Polyclonal
Concentration 100ug/200ul

Isotype IgG
Calculated MW 46251

Goat Anti-TACR1 Antibody - Additional Information

Gene ID 6869

Other Names

Substance-P receptor, SPR, NK-1 receptor, NK-1R, Tachykinin receptor 1, TACR1, NK1R, TAC1R

Dilution

WB~~1:1000

 $E \sim N/A$

Format

0.5 mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-TACR1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-TACR1 Antibody - Protein Information

Name TACR1

Synonyms NK1R, TAC1R

Function



This is a receptor for the tachykinin neuropeptide substance P. It is probably associated with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of affinity of this receptor to tachykinins is: substance P > substance K > neuromedin-K.

Cellular Location

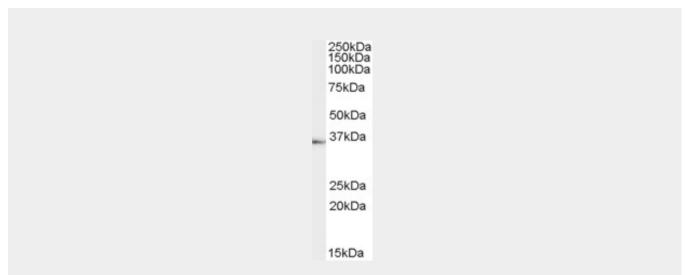
Cell membrane; Multi-pass membrane protein.

Goat Anti-TACR1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Goat Anti-TACR1 Antibody - Images



AF2061a (1 μ g/ml) staining of Human Testes lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-TACR1 Antibody - Background

This gene belongs to a gene family of tachykinin receptors. These tachykinin receptors are characterized by interactions with G proteins and contain seven hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin substance P, also referred to as neurokinin 1. The encoded protein is also involved in the mediation of phosphatidylinositol metabolism of substance P.

Goat Anti-TACR1 Antibody - References

Association study of 182 candidate genes in anorexia nervosa. Pinheiro AP, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 Jul. PMID 20468064.

Comprehensive copy number variant (CNV) analysis of neuronal pathways genes in psychiatric disorders identifies rare variants within patients. Saus E, et al. J Psychiatr Res, 2010 Apr 14. PMID 20398908.







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Frequencies of polymorphisms in cytokines, neurotransmitters and adrenergic receptors in patients with complex regional pain syndrome type I after distal radial fracture. Herlyn P, et al. Clin J Pain, 2010 Mar-Apr. PMID 20173430.