

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~~N/A

Format

0.5 mg IgG/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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-TACR1 Antibody - Images



AF2061a (1 µg/ml) staining of Human Testes lysate (35 µg 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.

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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.