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Anti-Tachykinin Receptor 1 Antibody

Rabbit polyclonal antibody to Tachykinin Receptor 1
Catalog # AP60400

Specification

Anti-Tachykinin Receptor 1 Antibody - Product Information

Application	**WB, IF/IC**
Primary Accession	P25103
Other Accession	P30548
Reactivity	**Human, Mouse, Rat, Chicken, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**46251**

Anti-Tachykinin Receptor 1 Antibody - Additional Information

Gene ID 6869

Other Names
NK1R; TAC1R; Substance-P receptor; SPR; NK-1 receptor; NK-1R; Tachykinin receptor 1

Target/Specificity
Recognizes endogenous levels of Tachykinin Receptor 1 protein.

Dilution
WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500)
IF/IC~~N/A

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-Tachykinin Receptor 1 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.

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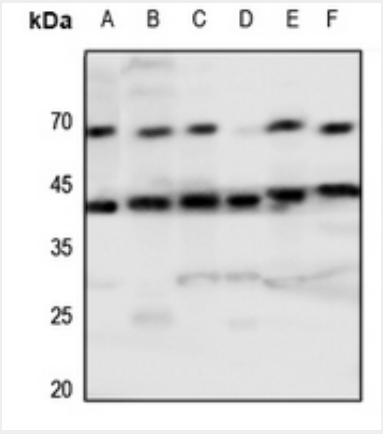
Anti-Tachykinin Receptor 1 Antibody - Protocols

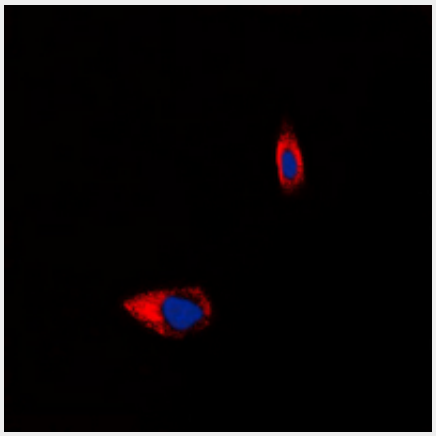
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Tachykinin Receptor 1 Antibody - Images



Western blot analysis of Tachykinin Receptor 1 expression in HEK293T (A), A2780 (B), mouse spleen (C), mouse kidney (D), rat spleen (E), rat kidney (F) whole cell lysates.



Immunofluorescent analysis of Tachykinin Receptor 1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Anti-Tachykinin Receptor 1 Antibody - Background

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KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Tachykinin Receptor 1. The exact sequence is proprietary.