

Anti-Tachykinin Receptor 1 Antibody

Rabbit polyclonal antibody to Tachykinin Receptor 1

Catalog # AP60400

Product Information

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

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

Protein Information

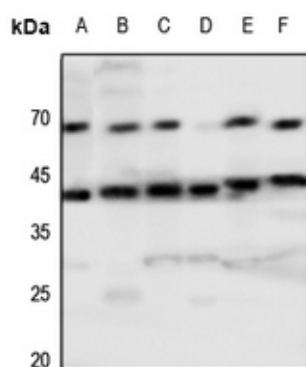
Name	TACR1
Synonyms	NK1R, TAC1R
Function	This is a receptor for the tachykinin neuropeptide substance P. It is probably associated with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of affinity of this receptor to tachykinins is: substance P > substance K > neuromedin-K.
Cellular Location	Cell membrane; Multi-pass membrane protein.

Background

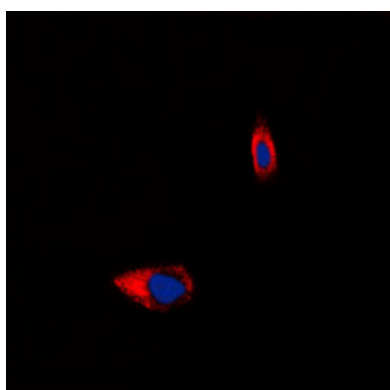
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Tachykinin

Receptor 1. The exact sequence is proprietary.

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 humidified 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.