

DATASHEET

Tachykinin Receptor 2 Rabbit Polyclonal Antibody

CAT. NO. APA17042

KEY FEATURES

Target	Tachykinin Receptor 2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

This is a receptor for the tachykinin neuropeptide substance K (neurokinin A) . Is also able to bind and respond to tachynins substance P and neurokinin B/neuromedin-K . The rank order of affinity of this receptor to tachykinins is: substance K > neuromedin-K > substance P . Substance K binding to its receptor triggers G protein-coupled receptor signaling via activation of G(q) and phosphatidylinositol hydrolysis by phospholipase C . Substance K binding also triggers signaling via activation of adenylate cyclase activity which results in increased intracellular levels of cyclic AMP (cAMP) .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

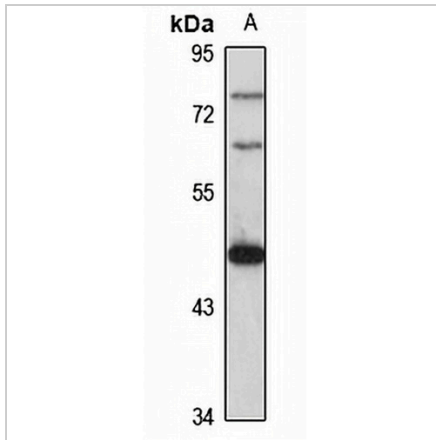
Description	Rabbit polyclonal antibody to Tachykinin Receptor 2
Specificity	Recognizes endogenous levels of Tachykinin Receptor 2 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Tachykinin Receptor 2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 44 kD; Observed: 44 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	NK2R; NKNAR; TAC2R; Substance-K receptor; SKR; NK-2 receptor; NK-2R; Neurokinin A receptor; Tachykinin receptor 2
Gene Symbol	TACR2
Entrez Gene	6865(Human); 21337(Mouse); 25007(Rat)
SwissProt	P21452(Human); P30549(Mouse); P16610(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Tachykinin Receptor 2 expression in A549 (A) whole cell lysates.
(Predicted band size: 44 kD; Observed band size: 44 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.