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NK-3R Polyclonal Antibody

Catalog # AP71316

Product Information

Application	WB, IF, ICC, E
Primary Accession	P29371
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52202

Additional Information

Gene ID	6870
Other Names	TACR3; NK3R; TAC3R; Neuromedin-K receptor; NKR; NK-3 receptor; NK-3R; Neurokinin B receptor; Tachykinin receptor 3
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

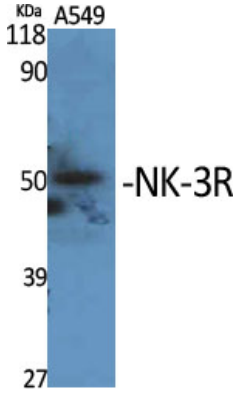
Protein Information

Name	TACR3
Synonyms	NK3R, TAC3R
Function	Receptor for the tachykinin neuromedin-K (neurokinin B), also able to bind and respond to tachynins substance K/neurokinin A and substance P (PubMed:1312036, PubMed:37391393). The rank order of affinity of this receptor to tachykinins is: neuromedin-K > substance K and substance P (PubMed:1312036). Neuromedin-K binding to its receptor triggers G protein-coupled receptor signaling via activation of G(q) and phosphatidylinositol hydrolysis by phospholipase C (PubMed:37391393). Neuromedin-K binding also triggers signaling via activation of adenylate cyclase activity which results in increased intracellular levels of cyclic AMP (cAMP) (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein

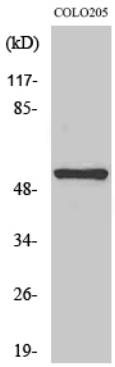
Background

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

Images



Western Blot analysis of various cells using NK-3R Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Western Blot analysis of COLO205 cells using NK-3R Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

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