Rabbit anti-Human, Mouse NK3R Polyclonal Antibody | anti-NK3R antibody

NK3R Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302792	**Rabbit**	**Human, Mouse**	**Immunohistochemistry, Western Blot, ELISA**

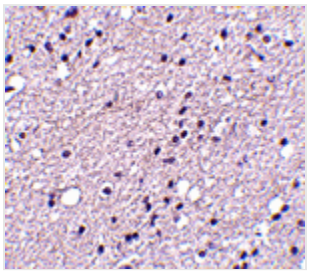
PRODUCT SYNONYMS

NK3R; Polyclonal Antibody; NK3R Antibody; Neurokinin B receptor; NK-3 receptor; NK-3R; Tachykinin receptor 3; TACR3; anti-NK3R antibody

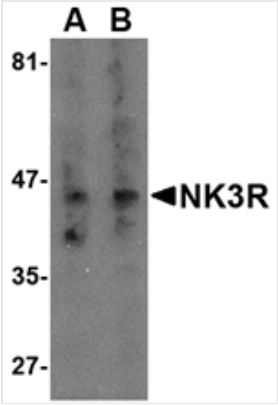
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	465
Applicable Applications for anti-NK3R antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 18 amino acid peptide from near the center of human NK3R.
Target Name	NK3R
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of NK3R in human brain tissue with NK3R antibody at 5 ug/mL.



WB (Western Blot)
Western blot analysis of NK3R in RAW264.7 cell lysate with NK3R antibody at (A) 0.5 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-NK3R antibody	The tachykinins are a family of small peptides that include the neurotransmitters substance P, neurokinin A, and neurokinin B, which can act on three related but distinct seven transmembrane G-proteins coupled receptors, albeit at different concentrations. The NK-3 receptor (NK3R) has greatest affinity for neurokinin B and is highly expressed in the supraoptic and paraventricular nuclei. Following binding of its ligand, NK3R activates a phosphatidylinositol-calcium second messenger system. It is likely these signals lead to the release of vasopressin and oxytocin into the circulation. NK3R may be involved in learning and memory as mice lacking this gene expressed cognitive deficits compared to normal mice. Although it has been suggested that NK3R plays a role in the regulation of vagal afferent relay neurons, it is likely that these receptors are activated by substance P or neurokinin A, as the airway nerves do not express neurokinin B. NK3R antibody does not recognize NK1R or NK2R.
Product Categories/Family for anti-NK3R antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	7669548
NCBI GeneID	6870
NCBI Accession #	NP_001050.1
NCBI GenBank Nucleotide #	NM_001059.2
UniProt Accession #	P29371; Q0P510
Molecular Weight	52,202 Da
NCBI Official Full Name	neuromedin-K receptor
NCBI Official Synonym Full Names	tachykinin receptor 3
NCBI Official Symbol	TACR3
NCBI Official Synonym Symbols	NKR; HH11; NK3R; NK-3R; TAC3RL
NCBI Protein Information	neuromedin-K receptor
UniProt Protein Name	Neuromedin-K receptor
UniProt Gene Name	**TACR3**
UniProt Synonym Gene Names	NK3R; TAC3R; NKR; NK-3R
UniProt Entry Name	NK3R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/nk3r-antibody-immunohistochemistry-western-blot-elisa/302792