

Datasheet for ABIN500361
anti-TACR3 antibody (Center)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	TACR3
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TACR3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	NK3R antibody was raised against a 18 amino acid peptide from near the center of human NK3R.
Isotype:	IgG
Specificity:	This antibody detects Tachykinin receptor 3 (TACR3) at center. It does not recognize NK1R or NK2R.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse
Purification:	Peptide affinity chromatography

Target Details

Target:	TACR3
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Target Details

Abstract:	TACR3 Products
Background:	<p>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. Synonyms: NK-3 receptor, NK-3R, NK3R, NKR, Neurokinin B receptor, Neuromedin-K receptor, TAC3R</p>
Gene ID:	6870
NCBI Accession:	NP_001050
UniProt:	P29371
Pathways:	Feeding Behaviour

Application Details

Application Notes:	<p>ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Restrictions:	For Research Use only

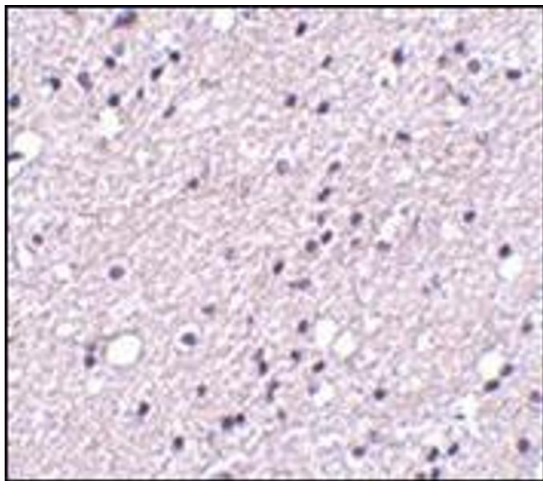
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

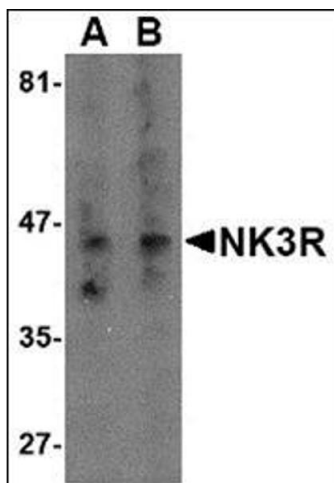
Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of NK3R in human brain tissue with this product at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of NK3R in RAW264.7 cell lysate with this product at (A) 0.5 and (B) 2 µg/ml.