

## Neurexin I Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP05918
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human NRXN1. AA range:502-551
<b>Mol wt</b>	161883
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Neurexin I Antibody
<b>Synonyms</b>	NRXN1; KIAA0578; Neurexin-1-alpha; Neurexin I-alpha

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

NRXN1 (neurexin 1) encodes a single-pass type I membrane protein that belongs to the neurexin family. Neurexins are cell-surface receptors that bind neuroligins to form Ca<sup>2+</sup>-dependent neurexin/neuroligin complexes at synapses in the central nervous system. This complex is required for efficient neurotransmission and is involved in the formation of synaptic contacts. Three members of this gene family have been studied in detail and are estimated to generate over 3000 variants through the use of two alternative promoters (alpha and beta) and extensive alternative splicing in each family member. Recently, a third promoter (gamma) was identified for NRXN1 in the 3' region. Mutations in NRXN1 are associated with Pitt-Hopkins-like syndrome-2 and may contribute to susceptibility to schizophrenia.

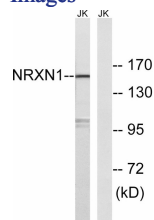
### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 20000

Not yet tested in other applications.

### Images



Western blot analysis of lysates from Jurkat cells, using NRXN1 Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year