

Datasheet for ABIN190771
anti-Neurexin 1 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µg
Target:	Neurexin 1 (NRXN1)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Neurexin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Neurexin 1
Immunogen:	Peptide with sequence C-KEKQPSSAKSSNKN, from the C Terminus of the protein sequence according to NP_004792.1 , NP_620072.1.
Sequence:	KEKQPSSAKS SNKN
Isotype:	IgG
Specificity:	This antibody is expected to recognise all reported isoforms.
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

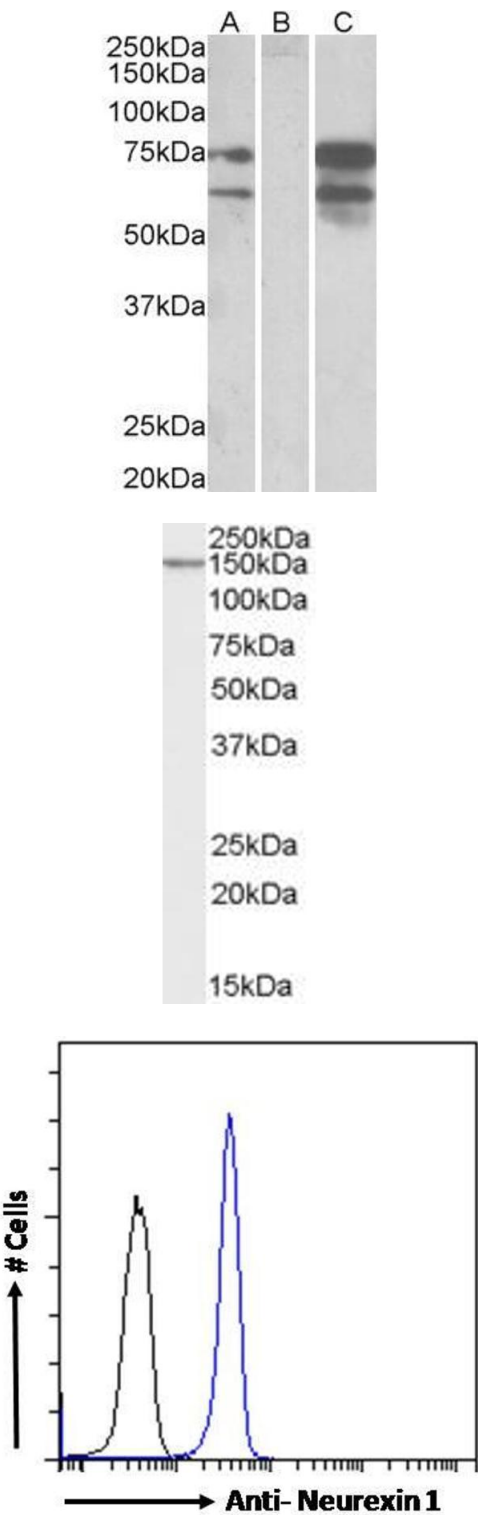
Target:	Neurexin 1 (NRXN1)
Alternative Name:	NRXN1 (NRXN1 Products)
Background:	Neurexin 1, DKFZp313P2036, NRXN1, FLJ35941, Hs.22998, KIAA0578, neurexin I
Gene ID:	9378, 18189, 60391
NCBI Accession:	NP_004792 , NP_620072
Pathways:	Synaptic Membrane , Skeletal Muscle Fiber Development

Application Details

Application Notes:	Western Blot: In transfected HEK293 transiently expressing full-length Human NRXN1 (myc and DYKDDDDK tagged), bands of approx. 75 and 60 kDa were observed. No bands were observed in mock-transfected HEK293 and the same band was observed using anti-DYKDDDD Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	Flow Cytometry: Flow cytometric analysis of Kelly cells. Recommended concentration: 10ug/ml.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Western Blotting

Image 1. HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human NRXN1 with DYKDDDDK tag probed with ABIN190771(0.5ug/ml) in Lane A and probed with anti-DYKDDDDK Tag (1/3000) in lane C. Mock-transfected HEK293 probed with ABIN190771(1mg/ml) in Lane B. Detected by chemiluminescence.

Image 2. ABIN190771 (0.05µg/ml) staining of Human Brain (Cerebellum) lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Flow Cytometry

Image 3. ABIN190771 Flow cytometric analysis of paraformaldehyde fixed Kelly cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.