



## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB07831 - Goat Anti-Neurexin 1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** neurexin 1, DKFZp313P2036, NRXN1, FLJ35941, Hs.22998, KIAA0578, neurexin I

**Official Symbol:** NRXN1

**Accession Number(s):** NP\_004792.1 ; NP\_620072.1

**Human GeneID(s):** [9378](#)

**Non-Human GeneID(s):** 18189 (mouse), 60391 (rat)

**Important Comments:** This antibody is expected to recognise all reported isoforms.

### Immunogen

Peptide with sequence C-KEKQPSSAKSSNKN, from the C Terminus of the protein sequence according to NP\_004792.1 ; NP\_620072.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:128000.

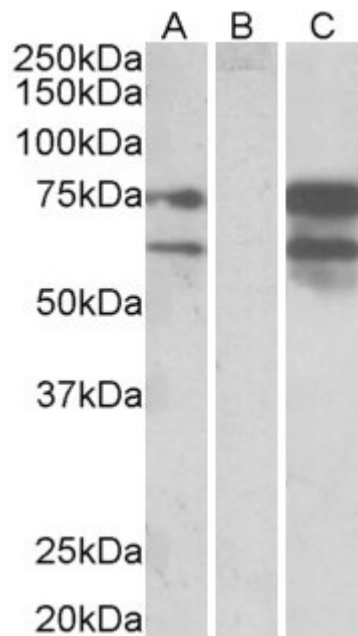
**Western blot:** In transfected HEK293 transiently expressing full-length Human NRXN1 (myc and DYKDDDDK tagged), bands of approx. 75 and 60kDa were observed. No bands were observed in mock-transfected HEK293 and the same band was observed using anti-DYKDDDDK tag antibody. Recommended concentration: 0.5-1µg/ml. Primary incubations were for 1 hour.

**Flow Cytometry:** Flow cytometric analysis of Kelly cells. Recommended concentration: 10ug/ml.

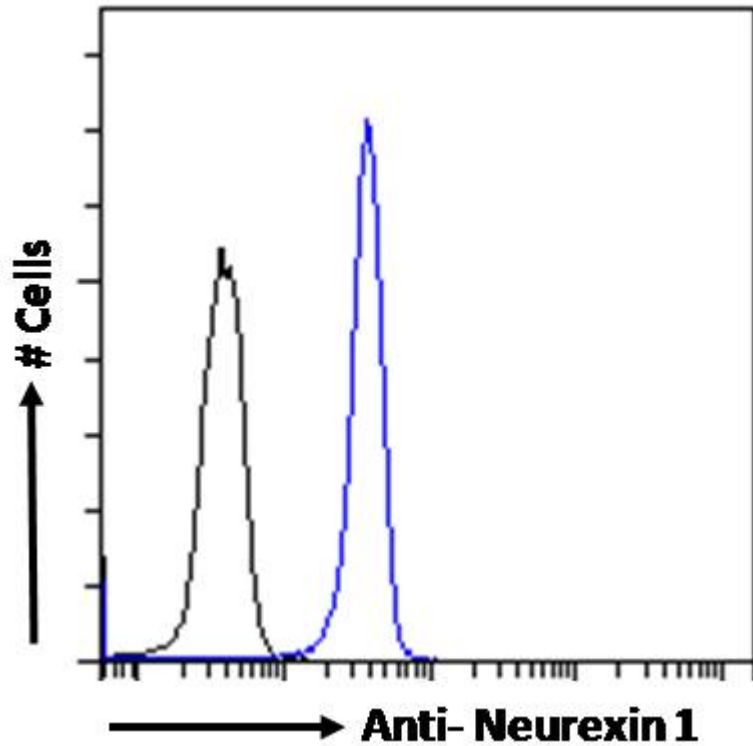
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog



HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human NRXN1 with DYKDDDDK tag probed with EB07831(0.5ug/ml) in Lane A and probed with anti- DYKDDDDK Tag (1/3000) in lane C. Mock-transfected HEK293 probed with EB07831(1mg/ml) in Lane B. Detected by chemiluminescence.



EB07831 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.