



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet Goat Anti-Human Neurexin 1, C-terminus

Catalog No.
129-10482

Target Species
Human

Isotype
Polyclonal IgG

Preparation

Synonyms: KIAA0578

Antiserum Preparation: Antiserum to human NRXN1 (CT) was raised by repeated immunization of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.

Immunogen: Peptide sequence C-KEKQPSSAKSSNKN from the C-Terminal region of NRXN1 (NP_004792.1; NP_620072.1)

Specificity

129-10482 specifically recognizes an epitope within the C-terminal (CT) region of human Neurexin 1 (NRXN1), a transmembrane neuronal protein and member of the neurexin family, which act as cell adhesion molecules and receptors within the vertebrate nervous system. NRXN1 exists in many distinct isoforms, the majority of which encode the longer alpha-neurexins generated using an upstream promoter, whilst fewer encode the shorter beta-neurexins, generated using a downstream promoter. Alpha-neurexins have been shown to bind with high affinity to the neuronal protein neuroligin, whilst neuroligin 1, enriched in synaptic plasma membranes, has been identified as a splice site-specific ligand for beta-neurexins.

Species Cross-Reactivity: Based on sequence similarity, is expected to react with: Mouse, Rat, Dog

Formulation

Product Type: Polyclonal Antibody

Product Form: Purified IgG - liquid

Buffer Solution: TRIS buffered saline

Preservative Stabilizers: 0.02% Sodium Azide (NaN_3); 0.5% Bovine Serum Albumin

Approx. Protein Concentrations: Ig concentration 0.5 mg/ml

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry			•	
Immunohistology - Frozen			•	
Immunohistology – Paraffin			•	
Elisa	•			1/32000
Immunoprecipitation			•	
Western Blotting	•			0.05 – 0.1 ug/ml

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

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