

Product datasheet for AP23267PU-N

OriGene Technologies, Inc.

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Nogo A (RTN4) (Isoform 1) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: IF, IHC, IP, WB

Recommended Dilution: Western blot: At 1-2µg/ml with the appropriate system to detect Nogo-A in cells and tissues.

Immunohistochemistry on paraffin sections: At 1-2µg/ml to detect Nogo-A in formalin fixed

and paraffin embedded tissues. Boiling the sections is required.

Immunocytochemistry. Immunprecipitation.

Reactivity: Human, Mouse, Rat

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Synthetic peptide corresponding to the C-terminal of human Nogo-A

Specificity: This antibody detects Reticulon-4 / RTN4 Isoform 1 at C-term. No cross reactivity with other

proteins.

Formulation: 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg Sodium Azide

State: Aff - Purified

State: Lyophilized Ig fraction

Reconstitution Method: 0.2ml of distilled water will yield a concentration of 500µg/ml.

Purification: Immunogen affinity purified

Conjugation: Unconjugated

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

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Gene Name: reticulon 4

Database Link: Entrez Gene 68585 MouseEntrez Gene 83765 RatEntrez Gene 57142 Human

O9NOC3





Background:

Human neurite outgrowth inhibitor (NOGO) cDNAs encodes 3 splice variants: NOGOA, NOGOB and NOGOC. The longest cDNA, designated NOGOA, has an open reading frame of 1192 amino acids. It is a potent inhibitor of neurite growth and an IN-1 antigen produced by oligodendrocytes, and may allow the generation of new reagents to enhance CNS regeneration and plasticity. Nogo-A, a member of the Reticulon family, is expressed by oligodendrocytes and associates primarily with the endoplasmic reticulum. The acidic amino terminus of Nogo-A is detected at the cytosolic face of cellular membranes and may contribute to inhibition of axon regeneration at sites of oligodendrocyte injury. A multivalent form of the N terminus of Nogo-A affects the morphology of both neurons and other cell types.

Synonyms:

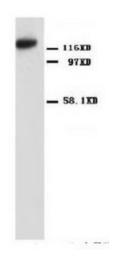
Foocen, Neurite outgrowth inhibitor, NOGO, Neuroendocrine-specific protein, NSP, Reticulon-

5, KIAA0886

Protein Families:

Transmembrane

Product images:



Western blot analysis of rat brain tissue lysis using NOGO-A antibody