10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LINGO-1(LRRN6A)-S596 (C-term) Antibody Blocking Peptide

Synthetic peptide
Catalog # BP5096d

Specification

LINGO-1(LRRN6A)-S596 (C-term) Antibody Blocking Peptide - Product Information

Primary Accession Q9D1T0

LINGO-1(LRRN6A)-S596 (C-term) Antibody Blocking Peptide - Additional Information

Gene ID 235402

Other Names
Leucine-rich repeat and immunoglobulin-like domain-containing nogo receptor-interacting protein 1, Leucine-rich repeat neuronal protein 1, Leucine-rich repeat neuronal protein 6A, Lingo1, Lern1, Lrrn6a

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LINGO-1(LRRN6A)-S596 (C-term) Antibody Blocking Peptide - Protein Information

Name Lingo1

Synonyms Lern1, Lrrn6a

Function
Functional component of the Nogo receptor signaling complex (RTN4R/NGFR) in RhoA activation responsible for some inhibition of axonal regeneration by myelin-associated factors. Is also an important negative regulator of oligodentrocyte differentiation and axonal myelination (By similarity). Acts in conjunction with RTN4 and RTN4R in regulating neuronal precursor cell motility during cortical development.

Cellular Location
Cell membrane; Single-pass type I membrane protein

Tissue Location
Highly specific expression in the central nervous system. Predominant expression in neocortex, amygdala, hippocampus, thalamus and entorhinal cortex, with lower levels in cerebellum and basal nuclei.

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LINGO-1(LRRN6A)-S596 (C-term) Antibody Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

LINGO-1(LRRN6A)-S596 (C-term) Antibody Blocking Peptide - Images

LINGO-1(LRRN6A)-S596 (C-term) Antibody Blocking Peptide - Background

LINGO-1 is functional component of the Nogo receptor signaling complex (RTN4R/NGFR) in RhoA activation responsible for some inhibition of axonal regeneration by myelin-associated factors. LINGO-1 is also an important negative regulator of oligodentrocyte differentiation and axonal myelination.

LINGO-1(LRRN6A)-S596 (C-term) Antibody Blocking Peptide - References

Mandai, K., et al. Neuron 63(5):614-627(2009)Homma, S., et al. Gene Expr. Patterns 9(1):1-26(2009)Pernet, V., et al. J. Neurosci. 28(29):7435-7444(2008)