

Anti-LINGO1 antibody

Cat. No.	ml263052
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-LINGO1 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human LINGO1
Reactivity	Human, Mouse
Content	0.5 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	LINGO1
Full name	leucine rich repeat and Ig domain containing 1
Synonyms	LERN1; LRRN6A; UNQ201
Swissprot	Q96FE5

Target Background

Lingo-1 is a 614-amino acid protein that plays an important role in the negative regulation of myelination by oligodendrocytes in the central nervous system (CNS). Lingo-1 is a nervous system-specific transmembrane protein that interacts with NgR1 and p75 to make up a receptor complex that binds to Nogo, a protein that inhibits axonal regeneration. Reduction of Lingo-1 activity downregulates RhoA (a protein related to cytoskeleton regulation) activity, promotes oligodendrocyte differentiation, and increases axonal myelination in neuronal tissues. Conversely, overexpression of Lingo-1 activates RhoA and inhibits oligodendrocyte differentiation and myelination. Lingo-1 up-regulation may be a characteristic of activity-induced neural plasticity responses. Lingo-1 may be a critical deterrent of myelin and nerve fiber repair in multiple sclerosis, an inflammatory disease that causes gradual destruction of myelin in the CNS.

订购热线: 4008-898-798

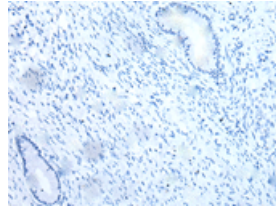
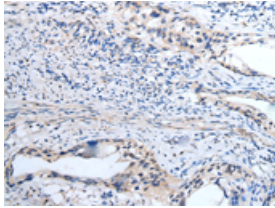
Applications

Immunohistochemistry

Predicted cell location: Cell membrane

Positive control: Human cervical cancer

Recommended dilution: 10-50



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml263052(LINGO1 Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: $\times 200$)

ELISA

Recommended dilution: 5000-10000

联系电话: 4008-898-798, 021-61725725

联系QQ: 2881505695, 2881505696

邮箱: mlbio_cn@yeah.net

网址: www.mlbio.cn