

Human Nogo A peptide ab234893

描述

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| 产品名称 | 人Nogo A多肽 |
| 无动物成分 | No |
| 性质 | Synthetic |
| 种属 | Human |

技术指标

Our **Abpromise guarantee** covers the use of **ab234893** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| 应用 | Blocking - Blocking peptide for Anti-Nogo A antibody (ab62024) |
| 形式 | Liquid |

制备和贮存

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| 稳定性和存储 | Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle. pH: 7.2 |
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常规信息

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| 功能 | Developmental neurite growth regulatory factor with a role as a negative regulator of axon-axon adhesion and growth, and as a facilitator of neurite branching. Regulates neurite fasciculation, branching and extension in the developing nervous system. Involved in down-regulation of growth, stabilization of wiring and restriction of plasticity in the adult CNS. Regulates the radial migration of cortical neurons via an RTN4R-LINGO1 containing receptor complex (By similarity). Isoform 2 reduces the anti-apoptotic activity of Bcl-xl and Bcl-2. This is likely consecutive to their change in subcellular location, from the mitochondria to the endoplasmic reticulum, after binding and sequestration. Isoform 2 and isoform 3 inhibit BACE1 activity and amyloid precursor protein processing. |
| 组织特异性 | Isoform 1 is specifically expressed in brain and testis and weakly in heart and skeletal muscle. Isoform 2 is widely expressed except for the liver. Isoform 3 is expressed in brain, skeletal muscle and adipocytes. Isoform 4 is testis-specific. |
| 序列相似性 | Contains 1 reticulon domain. |

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| 结构域 | Three regions, residues 59-172, 544-725 and the loop 66 amino acids, between the two transmembrane domains, known as Nogo-66 loop, appear to be responsible for the inhibitory effect on neurite outgrowth and the spreading of neurons. This Nogo-66 loop, mediates also the binding of RTN4 to its receptor. |
| 细胞定位 | Endoplasmic reticulum membrane. Anchored to the membrane of the endoplasmic reticulum through 2 putative transmembrane domains. |

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