

Product datasheet

Anti-Nogo A antibody ab107522

画像数 1

製品の概要

製品名	Anti-Nogo A antibody
製品の詳細	Goat polyclonal to Nogo A
特異性	ab107522 is expected to recognize reported isoform A (NP_065393.1) and isoform E (NP_997404.1).
アプリケーション	適用あり: IHC-P
種交差性	交差種: Human 交差が予測される動物種: Dog
免疫原	Synthetic peptide: C-KAQIVTEKNTSTKTS , corresponding to internal sequence amino acids 501-515 of Human Nogo A (NP_065393.1; NP_997404.1). Run BLAST with Run BLAST with
ポジティブ・コントロール	Human cortex

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
精製度	Immunogen affinity purified
特記事項(精製)	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab107522** in the following tested applications.

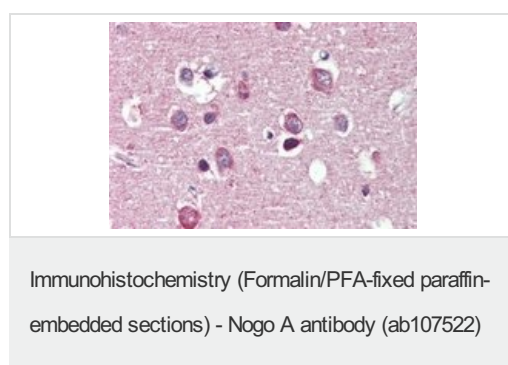
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 2 - 6 µg/ml. Recommended: Steamed antigen retrieval with citrate buffer pH 6.

ターゲット情報

機能	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.
組織特異性	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.
配列類似性	Contains 1 reticulon domain.
ドメイン	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.
細胞内局在	Endoplasmic reticulum membrane. Anchored to the membrane of the endoplasmic reticulum through 2 putative transmembrane domains.

画像



Cytoplasm staining of Nogo A in neuronal cell bodies and in axons of paraffin embedded Human cortex by Immunohistochemistry, using ab107522 at a concentration of 2.5 µg/ml. Steamed antigen retrieval with citrate buffer pH 6 and AP staining were used.

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