

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LINGO-1 in direct ELISAs and Western blots. In direct ELISAs, less than 10% cross-reactivity with recombinant human LINGO-2 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human LINGO-1 Thr40-Thr556 Accession # NP_116197
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

LINGO-1 (LRRN6A) is a 614 aa transmembrane protein of the leucine-rich repeat (LRR) family, ribonuclease inhibitor subfamily. The four known LINGO proteins contain LRR and IgCAM domains in the extracellular portion and share 44-61% aa identity. LINGO-1 is restricted to the nervous system and is concentrated in the brain as a component of the NgR1/p75 and NgR1/Taj (TROY) signaling complexes. LINGO-1 negatively regulates neurite outgrowth and myelination. LINGO-1 is highly conserved, showing 99% aa identity between human, mouse and rat.

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