Human/Mouse NETO2 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3859

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse NETO2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 10% cross-reactivity with recombinant human NETO1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human NETO2 isoform 1 Ile23-Lys345 Accession # Q8NC67
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

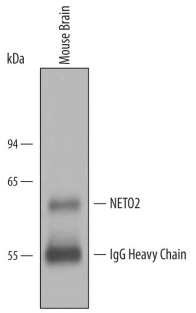
APPLICATIONS

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.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human NETO2 Recombinant Mouse NETO2
Immunoprecipitation	1-2 µg/mL	See Below

DATA

Immunoprecipitation



Immunoprecipitation of Mouse NETO2. NETO2 was immunoprecipitated from lysates (500 µg) of mouse brain tissue following incubation with 1-2 µg/mL Goat Anti-Human/Mouse NETO2 Antigen Affinity-purified Polyclonal Antibody for 8 hours at 2-8 °C. NETO2-antibody complexes were absorbed using Protein G (Sigma). Immunoprecipitated NETO2 was detected by Western blot using 1 µg/mL Goat Anti-Human/Mouse NETO2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3859). View our recommended buffer recipes for immunoprecipitation.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

NETO2 is a neurospecific type I transmembrane protein belonging to the NETO family of proteins that share homology with the axon guidance receptors, neuropilin and the developmentally important metalloproteinase Tolloid/BMP-1. NETO proteins have two CUB domains, an LDL-receptor class A domain in their extracellular region and a conserved FXNPXY-like domain in the cytoplasmic region. A splice variant of NETO2 that lacks the CUB domains and most of the LDL class A domain has been reported. It is likely that like NETO1, NETO2 may be a synaptic protein with neurological function. Human and mouse NETO2 share 98% amino acid sequence homology in their extracellular domains.

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