Human NETO1 Alexa Fluor® 647-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF4337R
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NETO1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 10% cross-reactivity with recombinant human NETO2 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human NETO1 Thr23-Val345 Accession # Q8TDF5
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.
Immunocytochemistry	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

Neuropilin and tolloid-like protein 1 (NETO1), also known as Brain-specific transmembrane protein containing 2 CUB and 1 LDL-receptor class A domains protein 1 (BTCL1), is a type I transmembrane protein that is expressed in the brain and retina. The 511 amino acid residue mature human NETO1 contains an extracellular domain with two CUB domains (aa 41-155 and 172-287), and one class A LDL-receptor segment (aa 292-326). Three human NETO1 splice isoforms exist, including a secreted soluble variant that shows an Asp-to-Glu transition at residue 157 followed by a premature truncation. Over aa 23-345, human NETO1 shares 97% and 98% aa identity with mouse and canine NETO1, respectively.

PRODUCT SPECIFIC NOTICES

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