Human Attractin Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF7238G
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Attractin in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Attractin Ala84-Gln1272 Accession # NP_647538
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

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

Attractin (ATRN), also known as DPPT-L, is an approximately 200 kDa transmembrane glycoprotein that shows dipeptidyl peptidase activity similar to DPPIV/CD26. Attractin is involved in a variety of processes including monocyte-T cell adhesion, axon myelination, melanocyte pigment synthesis, and energy homeostasis. The extracellular region of human Attractin contains one EGF-like domain, one CUB domain, six Kelch repeats, four PSI domains, one C-type lectin domain, and two laminin EGF-like domains. Alternate splicing of human Attractin generates a secreted isoform that lacks the transmembrane and cytoplasmic regions. Attractin is transiently upregulated during T cell activation before expression switches to the 175 kDa secreted isoform which is released into the circulation. Soluble Attractin is preferentially expressed by leukocytes and differentiating neurons. It blocks neurite formation and is elevated in the CSF of astrocytoma patients. Within aa 84-1272, human Attractin shares 95% aa sequence identity with mouse and rat Attractin.

PRODUCT SPECIFIC NOTICES

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Bio-Techne®
Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956
USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475