Human MEGF9 Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF7768G
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MEGF9 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human MEGF9 Ala36-Asn514 Accession # Q9H1U4
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.
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

MEGF9 (Multiple EGF-like domains protein 9; also EGF-like protein 5) is a 63 kDa (predicted) novel transmembrane glycoprotein that shares some homology to β-chains of laminin. It is expressed by hepatocytes, cerebellar Purkinje cells, Schwann cells, keratinocytes and intestinal epithelium. MEGF9 is suggested to participate in cell motility, and its absence correlates with tumor cell migration. Mature human MEGF9 is 572 amino acids (aa) in length. It is a single span type I transmembrane protein that contains a 484 aa extracellular region (aa 31-514) plus a 68 aa C-terminal cytoplasmic domain. The extracellular region possesses a lengthy Pro-rich region (aa 55-200), followed by five EGF-like domains (aa 204-451). MEGF9 may run at approximately 160 kDa in SDS-PAGE, suggesting either heavy glycosylation or dimerization. Over aa 36-514, human MEGF9 shares 76% aa sequence identity with mouse MEGF9.

PRODUCT SPECIFIC NOTICES

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