Human Fibulin 3 Alexa Fluor® 647-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF6235R
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Fibulin 3 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Fibulin 3 Gln19-Phe493 Accession # Q12805
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.

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

Fibulin 3 (also S1-5 and EFEMP1) is a secreted, monomeric 55-57 kDa member of the fibulin family of proteins. In mouse, Fibulin 3 appears in an O-glycosylated 63 and 80 kDa form. Given the high amino acid (aa) conservation between mouse and human, human Fibulin 3 may also demonstrate like isoforms. Fibulin 3 is expressed by fibroblasts, endothelial cells and prechondrocytes, and appears to provide both stability to ECM (elastin and basement membrane), and to regulate cell maturation/ differentiation. Fibulin 3 is reported to activate the EGF receptor, an effect that may influence multiple cell types under multiple scenarios. Mature human Fibulin 3 is 476 aa in length. It contains six EGF-like domains (aa 26-378), at least one of which binds to the EGF receptor and induces EGFR phosphorylation. There is at least one alternative start site at Met107 that generates a 43 kDa short form. Full-length human Fibulin 3 shares 95% aa identity with mouse Fibulin 3.

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