Human/Mouse/Rat Talin1 Alexa Fluor® 405-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5456V
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse and rat Talin1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human Talin1 Ala975-Ser1181 Accession # Q9Y490
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

Talin1 (*talus*; Latin for ankle, the shape of a focal adhesion plaque complex) is a 250-270 kDa member of the I/LWEQ module superfamily. When activated, it serves as a cytoplasmic, homodimeric link between integrins and vinculin, an actin organizer. Human Talin1 is 2541 amino acids (aa) in length and contains one globular N-terminal FERM domain that binds integrin cytodomains (aa 86-403), and a rod shaped C-terminus (aa 482-2541) that binds vinculin, and contains an I/LWEQ dimerization domain (aa 2293-2533). Over amino acids 975-1181, human Talin1 shares 98% aa identity with mouse Talin1.

PRODUCT SPECIFIC NOTICES

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