

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human Talin2 in Western blots. In Western blots, no cross-reactivity to recombinant human Talin1 was detected.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Talin2 Ala977-Arg1183 Accession # Q9Y4G6
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

Talin2 (*talus*; Latin for ankle, the shape of a focal adhesion plaque complex) is a 240 kDa cytoplasmic focal adhesion molecule. It likely forms dimers that link integrins to the actin cytoskeleton. Human Talin2 is 2542 amino acids (aa) in length. It contains one globular N-terminal FERM domain that binds integrin cytodomains (aa 88-406), followed by an Ala-rich region (aa 861-1193) and a C-terminal actin-binding domain (aa 2321-2530). Human Talin2 has three potential variants. Two show alternate start sites at Met19 and Met1153, while a third has an alternate start site at Met1608 accompanied by a deletion of aa 1748-1790. Over aa's 977-1183, human Talin2 shares 99% and 97% aa identity with canine and mouse Talin2, respectively.

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