

DESCRIPTION

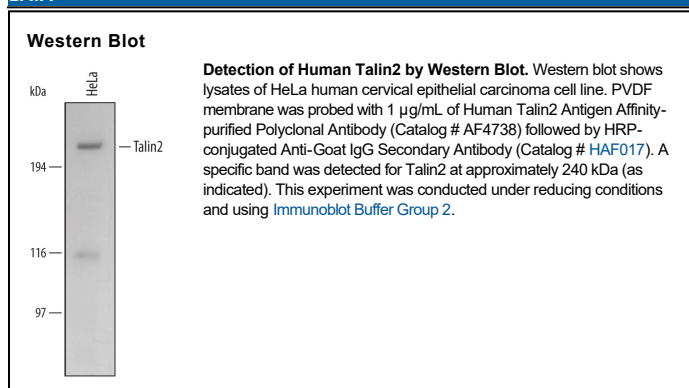
Species Reactivity	Human
Specificity	Detects endogenous human Talin2 in Western blots. In Western blots, no cross-reactivity to recombinant human Talin1 was detected.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Talin2 Ala977-Arg1183 Accession # Q9Y4G6
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.