

Human Talin2 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4738

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	E. coli-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.	

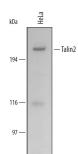
APPLICATIONS

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





Detection of Human Talin2 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line. PVDF membrane was probed with 1 µg/mL of Human Talin2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4738) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for Talin2 at approximately 240 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

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.

- 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 <u>ankle</u>, 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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