

DESCRIPTION

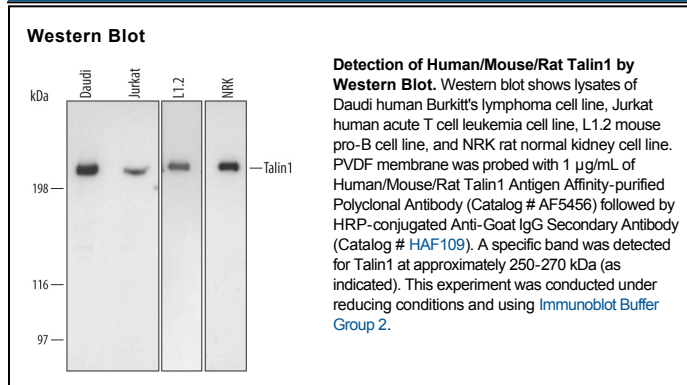
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse and rat Talin1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Talin1 Ala975-Ser1181 Accession # Q9Y490
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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

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.