

Datasheet for 200-301-P47**Talin Antibody****Overview**

Description:	Anti-Talin (MOUSE) Antibody - 200-301-P47
Item No.:	200-301-P47
Size:	100 µg
Applications:	WB
Reactivity:	Human, Bovine
Host Species:	Mouse

Product Details

Background:	Talin is a high-molecular-weight cytoskeletal protein concentrated at regions of cell-substratum contact and, in lymphocytes, at cell-cell contacts. Talin serves a function of linking vinculin to the integrins, and, thus, the cytoskeleton to extracellular matrix (ECM) receptors. It has a mass of 270 kD and shares 23% N-terminal identity with ezrin, which has similar functions. TLN gene is mapped to 9p. This antibody is suitable for researchers interested in cell signaling, membrane biology, and growth factor research.
Synonyms:	TLN, KIAA1027, ILWEQ, TALIN, Talin-1
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	8d4
Format:	IgG1

Target Details

Gene Name:	TLN1/TLN2
Reactivity:	Human, Bovine
Immunogen Type:	Other
Immunogen:	Talin antibody was produced in mice by repeated immunizations with purified chicken gizzard talin.

Purity/Specificity: Anti-Talin antibody was purified from mouse ascites by protein A chromatography. This product reacts with human and bovine. Cross reactivity with Talin from other sources has not been determined.

Relevant Links:

- [UniProtKB - Q9Y4G6](#)
- [UniProtKB - Q9Y490](#)
- [GeneID - 7094](#)
- [NCBI - NP_006280.3](#)

Application Details

Tested Applications:	WB
Application Note:	Anti-Talin is tested for Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~270-272 kDa corresponding to the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:40,000
WB:	2-4ug/ml

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	1.2% sodium acetate
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	2mg BSA
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Neutral PBS

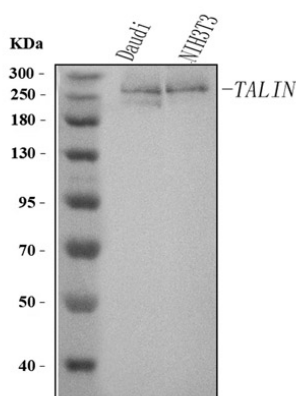
Shipping & Handling

Shipping Condition: Ambient

Storage Condition: Store vial at 4° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot analysis of Talin using anti-Talin antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30µg of sample under reducing conditions.

Lane 1: human Daudi whole cell lysates, Lane 2: mouse NIH/3T3 whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with affinity purified mouse anti-Talin antigen monoclonal antibody at 1 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at 1:10,000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Talin at approximately 272 kDa. The expected band size for Talin is at 272 kDa.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.