

Product datasheet

Anti-Talin 1 and 2 antibody [8D4] ab11188

★★★★★ [4 Abreviews](#) [16 References](#) [2 Images](#)

Overview

Product name	Anti-Talin 1 and 2 antibody [8D4]
Description	Mouse monoclonal [8D4] to Talin 1 and 2
Host species	Mouse
Tested applications	Suitable for: IP, Flow Cyt, ICC/IF, WB
Species reactivity	Reacts with: Rat, Chicken, Human, Xenopus laevis, Chinese hamster Does not react with: Fish
Immunogen	Full length native protein (purified) corresponding to Chicken Talin 1 and 2.
Positive control	WB: CHO cells ICC/IF: Chicken UMNSAH/DF1 cells
General notes	<p>This product was changed from ascites to tissue culture supernatant on 25th October 2016. The following lot(s) is/are from ascites and is still in stock as of 25th October 2016- GR228677. Lot numbers higher than GR228677 will be from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly.</p> <p>For continuous use, store at 2-8 °C for up to one month. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
Purity	Proprietary Purification

Purification notes	Purified from Tissue culture supernatant.
Clonality	Monoclonal
Clone number	8D4
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab11188 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

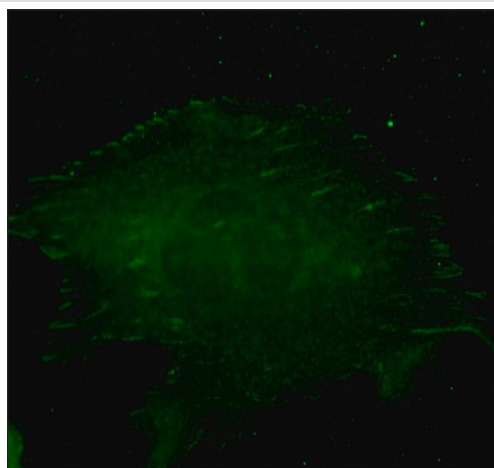
Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
Flow Cyt	★★★★★ (1)	Use at an assay dependent concentration. See Abreview. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration. See Abreview.
WB	★★★★★ (2)	Use at an assay dependent concentration. Predicted molecular weight: 270 kDa.

Target

Relevance Talin, a multifunctional constituent of cell-substratum attachment sites, is a high molecular weight protein (225-235 kDa) found in variety of tissues and cell types. It is localized at a subset of adherens junctions, specialized cell-cell and cell-matrix associations that are characterized by the presence of filamentous actin at the cytoplasmic face of the junctional complex. In cultured cells, talin is absent from cell-cell junctions and found predominantly at adhesion plaques and in fibrillar streaks underlying cell surface fibronectin. Talin interacts with at least two other proteins that are localized at adhesion plaques, vinculin and integrin. Talin and vinculin have been shown to interact with each other and both have been proposed to be involved in generating the transmembrane connection, between the extracellular matrix and the cytoskeleton, that occurs at adhesion plaques. At physiological ionic strength, talin is an elongate, flexible, monomeric protein with the ability to self-associate into dimers at higher protein concentrations. Talin 2 is related to talin 1. This protein has a different pattern of expression compared to talin 1 but, like talin 1, is thought to associate with unique transmembrane receptors to form novel linkages between extracellular matrices and the actin cytoskeleton.

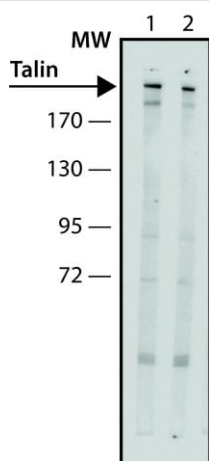
Cellular localization Cell projection, ruffle membrane (talin 1), Focal adhesion plaques and synapses (talin 2)

Images



Immunocytochemistry/ Immunofluorescence - Anti-Talin 1 and 2 antibody [8D4] (ab11188)

Immunocytochemistry analysis of Chicken UMNSAH/DF1 cells labeling Talin 1 and 2 with ab11188 at 5 µg/mL. Cells were fixed and permeabilized with methanol followed by acetone. The antibody was developed using Goat Anti-Mouse IgG Atto-488 conjugate.



Western blot - Anti-Talin 1 and 2 antibody [8D4] (ab11188)

Lane 1 : Anti-Talin 1 and 2 antibody [8D4] (ab11188) at 2 µg/ml

Lane 2 : Anti-Talin 1 and 2 antibody [8D4] (ab11188) at 1 mg/ml

All lanes : Whole extract of CHO cells

Secondary

All lanes : Goat Anti-Mouse IgG-Peroxidase

Predicted band size: 270 kDa

chemiluminescent substrate.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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