

Anti-Talin 1 [8D4] Bulk Size Ab02510-10.0-BT

Isotype and Format: Human IgG1, Kappa

Clone Number: 8D4

Alternative Name(s) of Target: talin 1; Talin1; talin-1; TLN; TLN1

UniProt Accession Number of Target Protein: Q9Y490

Published Application(s): ICC, IP, WB, ELISA, FC, IF

Published Species Reactivity: Chicken, Rat, Xenopus, Human, Mouse

Immunogen: The original antibody was generated by immunizing BALB/c mice with purified cytoskeletal Talin, from chicken gizzard.

Specificity: The antibody is specific for mammalian and avian talin. Talin is a multifunctional constituent of cell-substratum attachment sites and it has a high molecular weight (225-235 kDa). The protein is found in a variety of tissues and cell types.

Application Notes: The antibody detected the N-terminal region of talin1 by western blot analysis (Praekelt et al., 2012; PMID: 22306379 and Martel et al., 2001; PMID: 11279249). However, it also detected the equivalent region of talin2, albeit to a lesser degree (Praekelt et al., 2012; PMID: 22306379). This antibody was used for detection of talin expression on HeLa/AT22, AT21, wild-type HeLa cells or pMEP4-transfected HeLa cells by flow cytometry (Albigès-Rizo et al., 1995; PMID: 7593292).

Immunocytochemistry using the antibody showed patterns of talin expression within DRG growth cones (Sydor et al., 1996; PMID: 8794861). Indirect immunofluorescence staining of cultured fibroblasts (rat, human, chicken and xenopus embryo fibroblasts) was tested with the antibody. In all the samples the focal adhesions were stained with the antibody (Otey et al. 1990; PMID: 1690175). Talin was immunoprecipitated from MDA-MB-231 cell lysates using the antibody (Beaty et al., 2014; PMID: 24891603).

Antibody First Published in: Otey et al. Characterization of monoclonal antibodies to chicken gizzard talin Hybridoma. 1990 Feb;9(1):57-62. [PMID:1690175](#)

Note on publication: The original paper describes the generation and characterization of the antibody.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.