

Anti-Talin (Ser-425), Phosphospecific Antibody

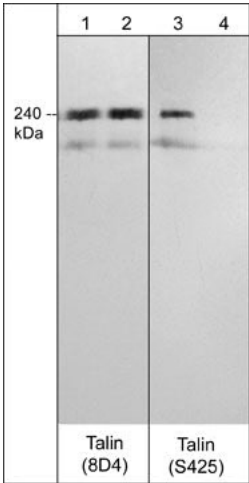


Product Details

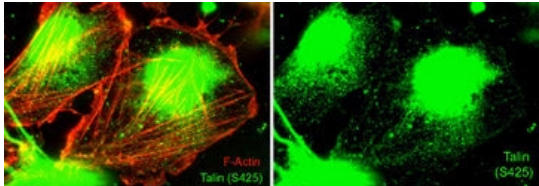
Available Variants	100 µL (SKU:TP4171)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	TLN1
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 1:200
Species Reactivity	Chicken, Frog, Human, Mouse, Rat
Immunogen	Phospho-Talin (Ser-425) synthetic peptide (coupled to carrier protein) corresponding to amino acids surrounding Ser-425 in human Talin 1. This sequence is conserved in rat, mouse, and chicken Talin 1, as well as in Talin 2 (Ser-428).
Specificity	The antibody detects a 240 kDa* protein corresponding to the molecular mass of Talin on SDS-PAGE immunoblots of human A431, rat PC12, and rabbit fibroblast cells treated with Calyculin A, but is not observed after lambda phosphatase treatment.
Molecular Weight	240
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	Q9Y490
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Ser-425

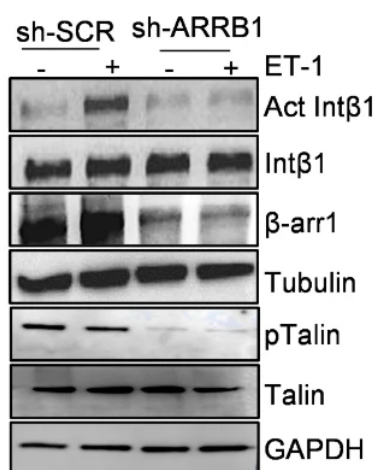
Product Images



Western blot of rat PC12 cells stimulated with Calyculin A (100 nM) for 30 min (lanes 1-4). The blot was treated with lambda phosphatase (lanes 2 & 4), then probed with mouse monoclonal anti-Talin (8D4) (lanes 1 & 2) or rabbit polyclonal anti-Talin (Ser-425) (lanes 3 & 4) antibodies.



Immunocytochemical labeling of Talin phosphorylation relative to F-actin in chick fibroblasts. The cells were labeled with rabbit polyclonal Talin (Ser-425) antibody (TP4171), then the antibody was detected using appropriate secondary antibody (Green). This labeling is compared to F-actin staining (Red, Left). (Image provided by Dr. Gianluca Gallo at Drexel University).



Representative WB of whole cell lysates from sh-SCR and sh-ARRB1 HOFs stimulated or not with ET-1 (5 min) and probed with antibodies to active or total Intβ1, b-arr1, pTalin (Cat. TP4171) and Talin. Image from publication CC-BY-4.0. [PMID: 38777849](https://pubmed.ncbi.nlm.nih.gov/38777849/)

Product Page URL: www.antibodiesinc.com/products/anti-talin-ser-425-phosphospecific-antibody-tp4171



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