Datasheet for ABIN701695

anti-TLN1 antibody (AA 1601-1750)

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Overview

Quantity:	100 µL
Target:	TLN1
Binding Specificity:	AA 1601-1750
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLN1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Talin 1.
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	TLN1

Target Details

Alternative Name:	Talin1 (TLN1 Products)
Background:	Synonyms: TLN 1, ILWEQ, Talin 1, Talin, TLN, TLN1, TLN 2, Talin 2, Talin 2, TLN2. Background: Talin, a multifunctional constituent of cell-substratum attachment sites, is a high molecular weight protein (225-270 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.
Gene ID:	7094, 83660
UniProt:	Q9Y4G6, Q9Y490
Pathways:	Cell-Cell Junction Organization, ER-Nucleus Signaling, Maintenance of Protein Location

Application Details

Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

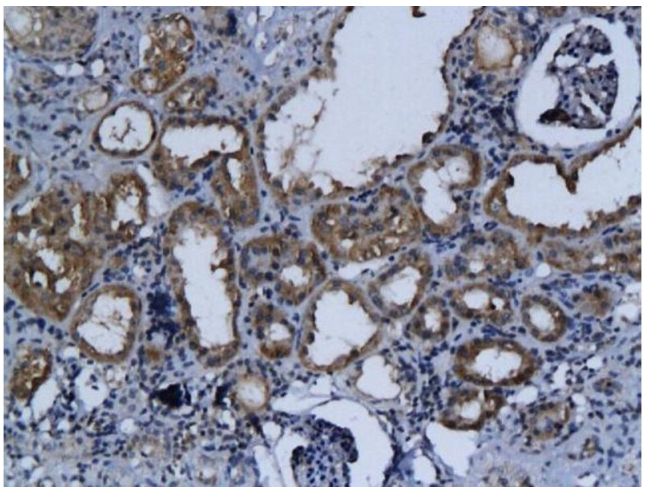
Publications

Product cited in:

He, Meng, Yao, Jiang, Wu, Wu: "The essential role of inorganic substrate in the migration and osteoblastic differentiation of mesenchymal stem cells." in: **Journal of the mechanical behavior of biomedical materials**, Vol. 59, pp. 353-65, (2016) (PubMed).

Dingyu, Fanjie, Zhengzheng, Baosheng, Chao, Yi, Huiwen, Jun, Gang: "Regulation of Intracellular Structural Tension by Talin in the Axon Growth and Regeneration." in: **Molecular neurobiology**, (2015) (PubMed).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat kidney labeled with Anti-Talin Polyclonal Antibody, Unconjugated (ABIN701695) followed by conjugation to the secondary antibody and DAB staining