

Anti-Talin 2 Picoband Antibody

Catalog # ABO12646

Product Information

Application	WB, IHC-P
Primary Accession	Q9Y4G6
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Talin-2(TLN2) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	83660
Other Names	Talin-2, TLN2, KIAA0320
Calculated MW	271613
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat
Subcellular Localization	Cell junction, focal adhesion. Cell junction, synapse. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton. Focal adhesion plaques and synapses.
Source	Eukaryota
Protein Name	Talin-2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Talin 2 (1787-1822aa NPKAQHTHDAITEAAQLMKEAVDDIMVTLNEAASEV).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also

be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.

Protein Information

Name	TLN2
Synonyms	KIAA0320
Function	As a major component of focal adhesion plaques that links integrin to the actin cytoskeleton, may play an important role in cell adhesion. Recruits PIP5K1C to focal adhesion plaques and strongly activates its kinase activity (By similarity).
Cellular Location	Cytoplasm. Cell junction, focal adhesion. Synapse. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton. Note=Focal adhesion plaques and synapses (PubMed:12422219).

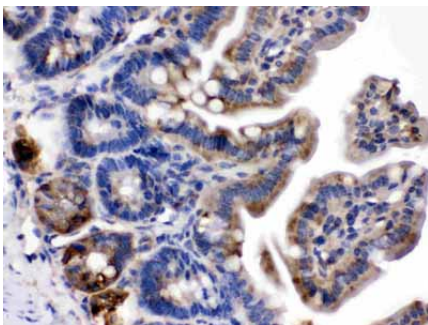
Background

Talin 2 is a protein in humans that is encoded by the TLN2 gene. It belongs to the talin protein family. This gene encodes a protein related to talin 1, a cytoskeletal protein that plays a significant role in the assembly of actin filaments and in spreading and migration of various cell types, including fibroblasts and osteoclasts. Talin-2 is expressed at high levels in cardiac muscle and functions to provide linkages between the extracellular matrix and actin cytoskeleton at costamere structures to transduce force laterally.

Images

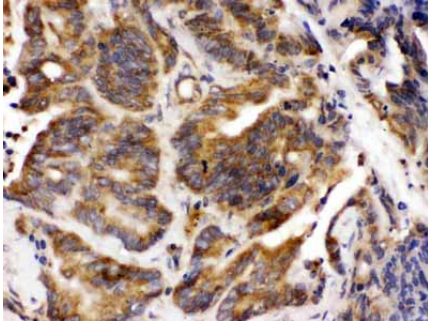
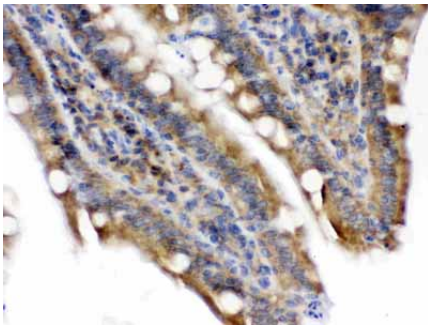


Western blot analysis of Talin 2 expression in rat brain extract (lane 1), mouse cardiac muscle extract (lane 2) and SMMC7721 whole cell lysates (lane 3). Talin 2 at 271KD was detected using rabbit anti-Talin 2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12646) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .



Talin 2 was detected in paraffin-embedded sections of mouse intestine tissues using rabbit anti- Talin 2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12646) at 1 µg/mL. The immunohistochemical section was developed using SABC method .

Talin 2 was detected in paraffin-embedded sections of rat intestine tissues using rabbit anti- Talin 2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12646) at 1 µg/mL. The immunohistochemical section was developed using SABC method .



Talin 2 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- Talin 2 Antigen Affinity purified polyclonal antibody (Catalog # ABO12646) at 1 μ g/mL. The immunohistochemical section was developed using SABC method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.