# ANTIBODIES ONLINE

## Datasheet for ABIN2783290 anti-TCAP antibody (N-Term)

Image



Overview

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Quantity:	100 µL
Target:	TCAP
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TCAP antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TCAP
Sequence:	CSLHEEDTQR HETYHQQGQC QVLVQRSPWL MMRMGILGRG LQEYQLPYQR
Predicted Reactivity:	Cow: 100%, Dog: 93%, Goat: 93%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against TCAP. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	

Target:

TCAP

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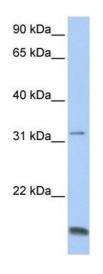
kinase activity that extends half the length of a sarcomere. It serves as a scaffold to which myofibrils and other muscle related proteins are attached. TCAP is a protein found in stria and cardiac muscle that binds to the titin 21-22 domains and is a substrate of titin kinase interactions thought to be critical to sarcomere assembly. Mutations in TCAP gene are associated with limb-girdle muscular dystrophy type 2G. Sarcomere assembly is regulated the muscle protein titin. Titin is a giant elastic protein with kinase activity that extends half length of a sarcomere. It serves as a scaffold to which myofibrils and other muscle relate proteins are attached. This gene encodes a protein found in striated and cardiac muscle to binds to the titin 21-22 domains and is a substrate of titin kinase, interactions thought to 1 critical to sarcomere assembly. Mutations in this gene are associated with limb-girdle mu dystrophy type 2G. Publication Note: This RefSeq record includes a subset of the publicat that are available for this gene. Please see the Entrez Gene record to access additional publications.         Alias Symbols: CMD1N, LGMD2G, T-cap, TELE, telethonin         Protein Interaction Partner: TRIM63, TRIMS5, RELA, FYN, FAS, ATXN1, MDM2, TTN, PDPK MY023, ANKRD2, MY021, MSTN, MY022, Protein Size: 167         Molecular Weight:       19 kDa         Gene ID:       8557         NCBI Accession:       NM.003673, NP.003664         UniProt:       015273         Application Details       Application should be determined experimentally by the investigator.         Comment:       Antigen size: 167 AA         Restrictions:       For Research Use only	Target Details	
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Gene ID:8557NCBI Accession:NM_003673, NP_003664UniProt:015273Application DetailsOptimal working dilutions should be determined experimentally by the investigator.Comment:Antigen size: 167 AARestrictions:For Research Use only	Background:	<ul> <li>associated with limb-girdle muscular dystrophy type 2G.Sarcomere assembly is regulated by the muscle protein titin. Titin is a giant elastic protein with kinase activity that extends half the length of a sarcomere. It serves as a scaffold to which myofibrils and other muscle related proteins are attached. This gene encodes a protein found in striated and cardiac muscle that binds to the titin Z1-Z2 domains and is a substrate of titin kinase, interactions thought to be critical to sarcomere assembly. Mutations in this gene are associated with limb-girdle muscula dystrophy type 2G. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</li> <li>Alias Symbols: CMD1N, LGMD2G, T-cap, TELE, telethonin</li> <li>Protein Interaction Partner: TRIM63, TRIM55, RELA, FYN, FAS, ATXN1, MDM2, TTN, PDPK1, MYOZ3, ANKRD2, MYOZ1, MSTN, MYOZ2,</li> </ul>
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Restrictions: For Research Use only	Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
	Comment:	Antigen size: 167 AA
	Restrictions:	For Research Use only
Handling	Handling	
Format: Liquid	Format:	Liquid
Concentration: Lot specific	Concentration:	Lot specific

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#### Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Images



Western Blotting	
Image 1. WB Suggested Anti-TCAP Antibody Titration: 0.2-1	
ug/ml Positive Control: Human Liver	