

TCAP

Reactivity: Human

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100

Calculated MW: 19kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human TCAP

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

TELE; CMD1N; T-cap; LGMD2G; telethonin;

Catalog #: A6765

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 8557

Isotype: IgG

Swiss Prot: O15273

Purity: Affinity purification

For research use only.

Background:

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 muscular dystrophy type 2G.

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