

## TCAP

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**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;

**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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**Catalog #:**A6765

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**8557

**Isotype:**IgG

**Swiss Prot:**O15273

**Purity:**Affinity purification

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