

Product datasheet

Human TRIM72 peptide ab111656

Overview

Product name Human TRIM72 peptide

Description

Nature Synthetic

Amino Acid Sequence

Species Human

Sequence LEELTFDPSSAHPSLVVSSSGRRVECSEQKAPPAGEDPRQFDKAVAVVAH

Specifications

Our [Abpromise guarantee](#) covers the use of **ab111656** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Blocking - Blocking peptide for Anti-TRIM72 antibody ([ab83302](#))

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

General Info

Function Muscle-specific protein that plays a central role in cell membrane repair by nucleating the assembly of the repair machinery at injury sites. Specifically binds phosphatidylserine. Acts as a sensor of oxidation: upon membrane damage, entry of extracellular oxidative environment results in disulfide bond formation and homooligomerization at the injury site. This oligomerization acts as a nucleation site for recruitment of TRIM72-containing vesicles to the injury site, leading to membrane patch formation. Probably acts upstream of the Ca(2+)-dependent membrane resealing process. Required for transport of DYSF to sites of cell injury during repair patch formation. Regulates membrane budding and exocytosis. May be involved in the regulation of the mobility of KCNB1-containing endocytic vesicles.

Sequence similarities Belongs to the TRIM/RBCC family.

Contains 1 B box-type zinc finger.

Contains 1 B30.2/SPRY domain.

Contains 1 RING-type zinc finger.

Post-translational modifications

Disulfide bond formation at Cys-242 occurs in case of membrane damage that cause the entry of the oxidized milieu of the extracellular space, resulting in homooligomerization.

Cellular localization

Cell membrane > sarcolemma. Cytoplasmic vesicle membrane. Tethered to plasma membrane and cytoplasmic vesicles via its interaction with phosphatidylserine.

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