

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Filamin 1 (R2146) Peptide

Cat No.: BS1128P

Background

Caldesmon, Filamin 1, nebulin and villin are differentially expressed and regulated Actin binding proteins. Both muscular (CDh) and non-muscular (CDI) forms of caldesmon have been identified and each has been shown to bind to Actin as well as to calmodulin and Myosin. CDh is expressed predominantly on thin filaments in smooth muscle, whereas CDI is widely expressed in nonmuscle tissues and cells. Filamin 1, which is ubiquitously expressed and exists as a homodimer, functions to crosslink Actin to filaments. Nebulin is a large filamentous protein specific to muscle tissue that may function as a ruler for filament length. Several isoforms of nebulin, ranging from 700 to 900 kDa, are produced by alternative exon usage. Villin is Ca²⁺-regulated and is the major structural component of the brush border of absorptive cells.

Swiss-Prot

P21333

Applications

Blocking

Specificity

This peptide can be used with studies using BS1128 Filamin 1 (R2146) pAb.

Purification & Purity

Synthetic peptide Filamin 1 (R2146). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.