Filamin 1 (R2146) polyclonal antibody

Catalog: BCP00777 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Caldesmon, Filamin 1, nebulin and villin are differentially expressed and regulated Actin binding proteins. Both muscular (CDh) and non-muscular (CDl) 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 CDl 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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 280 kDa

Swiss-Prot:

P21333

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

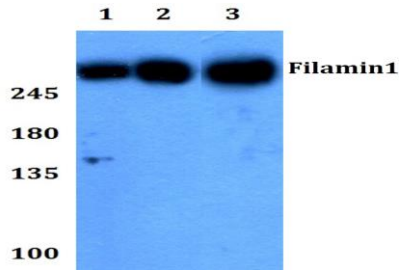
Storage&Stability:

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

Specificity:

Filamin 1 (R2146) polyclonal antibody detects endogenous levels of Filamin A protein.

DATA:

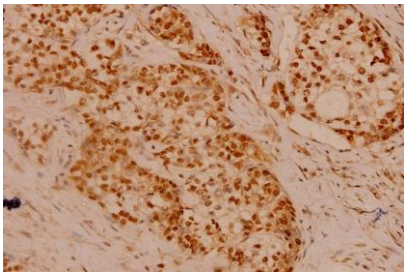


Western blot (WB) analysis of Filamin 1 (R2146) polyclonal antibody at 1:500 dilution

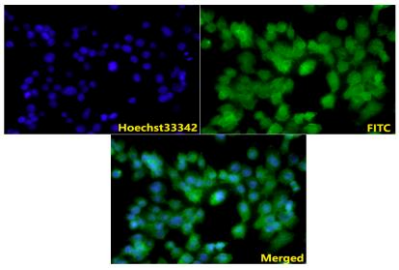
Lane1:HEK293T whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate



Immunohistochemistry (IHC) analyzes of Filamin 1 (R2146) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.



IF image of BS1128 stained 3T3-L1 cells. The cells were 4% paraformaldehyde fixed (20 min) and then incubated in 10% normal goat serum for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody Filamin 1 (R2146) pAb#BS1128(1:100) at 5μg/ml overnight at +4℃. The secondary antibody (Green) was Goat anti-Rabbit IgG (H+L) -FITC#BS10950 used at a 1/200 dilution for 1h. Hoechst 33342 Staining Kit#BD5011 was used to stain the cell nuclei (blue).

Note:

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

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