

Adducin α/β (phospho-S726/713) polyclonal antibody

Catalog: BCP00156

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Adducins are a family of cytoskeletal proteins encoded by three genes (alpha, beta, gamma). Adducin is a heterodimeric protein that consists of related subunits, which are produced from distinct genes but share a similar structure. Alpha and beta adducin include a protease-resistant N-terminal region and a protease-sensitive, hydrophilic C-terminal region. Alpha and gamma adducins are ubiquitously expressed. In contrast, beta adducin is expressed at high levels in brain and hematopoietic tissues. Adducin binds with high affinity to Ca^{2+} /calmodulin and is a substrate for protein kinases A and C. Alternative splicing results in multiple variants encoding distinct isoforms; however, not all variants have been fully described.

Product:

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

Molecular Weight:

~ 81 kDa

Swiss-Prot:

P35611/P35612

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

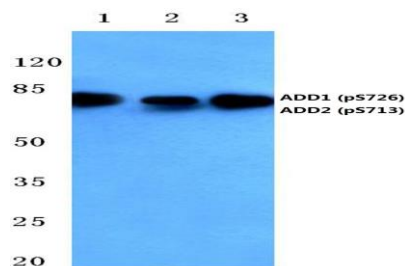
Storage&Stability:

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

Specificity:

p-Adducin α/β (S726/713) polyclonal antibody detects endogenous levels of Adducin α protein only when phosphorylated at Ser726 and Adducin β protein only when phosphorylated at Ser713.

DATA:

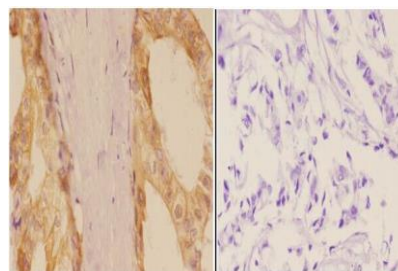


Western blot (WB) analysis of p-Adducin α/β (S726/713) polyclonal antibody at 1:500 dilution

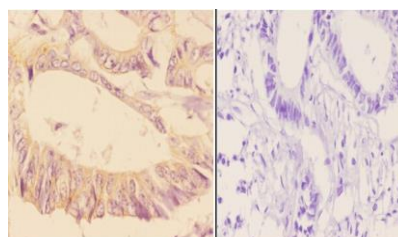
Lane1:Hela cell lysate treated with PMA

Lane2:SP2/0 cell lysate treated with PMA

Lane3:PC12 cell lysate treated with PMA



Immunohistochemistry (IHC) analyzes of Adducin α/β (phospho-S726/713) pAb in paraffin-embedded human breast carcinoma tissue at 1:50, showing cytoplasm and membrane staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



BS4005
Lot CJ44121

Immunohistochemistry (IHC) analyzes of Adducin α/β (phospho-S726/713) pAb in paraffin-embedded human rectum carcinoma tissue at 1:50, showing cytoplasm and membrane staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

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