Adducin γ (H-16): sc-11884



The Boures to Overtion

BACKGROUND

Adducins are a family of cytoskeleton proteins encoded by three genes (α,β) and $\gamma)$. Adducin is a protein associated with the inner leaflet of the plasma membrane and is one of the proteins localized at the spectrin-Actin junction of the membrane skeleton. The cortical Actin cytoskeletal network is lost during apoptosis and adducins are central in the cortical Actin network organization. Adducin α is a cytoskeletal protein involved with sodiumpump activity in the renal tubule and is associated with hypertension. The expression of Adducin α and Adducin γ is ubiquitous in contrast to the restricted expression of Adducin β . Adducin β is expressed at high levels in brain and hematopoietic tissues, such as bone marrow in humans and spleen in mice.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ADD3 (human) mapping to 10q25.1; Add3 (mouse) mapping to 19 D2.

SOURCE

Adducin γ (H-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of Adducin γ of human origin.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-11884 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

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

APPLICATIONS

Adducin γ (H-16) is recommended for detection of adducin γ of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

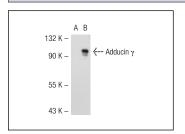
Adducin γ (H-16) is also recommended for detection of adducin γ in additional species, including equine.

Suitable for use as control antibody for Adducin γ siRNA (h): sc-29640, Adducin γ siRNA (m): sc-29641, Adducin γ shRNA Plasmid (h): sc-29640-SH, Adducin γ shRNA Plasmid (m): sc-29641-SH, Adducin γ shRNA (h) Lentiviral Particles: sc-29640-V and Adducin γ shRNA (m) Lentiviral Particles: sc-29641-V.

Molecular Weight of Adducin γ: 94 kDa.

Positive Controls: Adducin γ (m): 293T Lysate: sc-118249, NIH/3T3 whole cell lysate: sc-2210 or F9 cell lysate: sc-2245.

DATA



Adducin γ (H-16): sc-11884. Western blot analysis of Adducin γ expression in non-transfected: sc-117752 (**A**) and mouse Adducin γ transfected: sc-118249 (**B**) 293T whole cell Ivsates.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **Adducin** γ (**G-2**): sc-365177 or **Adducin** γ (**D-11**): sc-365178, our highly recommended monoclonal aternatives to Adducin γ (H-16).

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