

## alpha Actinin 4 Recombinant Rabbit mAb

Catalog: BS45594

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. This gene encodes a nonmuscle, alpha actinin isoform which is concentrated in the cytoplasm, and thought to be involved in metastatic processes. Mutations in this gene have been associated with focal and segmental glomerulosclerosis. [provided by RefSeq, Jul 2008]

### Product:

Store at -20 °C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.

### Molecular Weight:

105 kDa

### Swiss-Prot:

O43707

### Purification&Purity:

Affinity Purification

### Applications:

WB: 1:1000-1:5000 IHC: 1:20-1:100 ICC/IF: 1:20-1:50 FC: 1:20 IP: 1:20-1:50

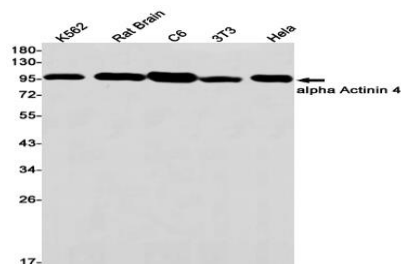
### Storage&Stability:

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

### Isotype:

IgG

### DATA:



Western blot detection of alpha Actinin 4 in K562, Rat Brain, C6, 3T3, HeLa cell lysates using alpha Actinin 4 antibody (1:1000 diluted).

### Note:

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

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