

ADD1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9518c

Specification

ADD1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P35611](#)

ADD1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 118

Other Names

Alpha-adducin, Erythrocyte adducin subunit alpha, ADD1, ADDA

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ADD1 Antibody (Center) Blocking Peptide - Protein Information

Name ADD1

Synonyms ADDA

Function

Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to calmodulin.

Cellular Location

Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side

Tissue Location

Expressed in all tissues. Found in much higher levels in reticulocytes than the beta subunit

ADD1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ADD1 Antibody (Center) Blocking Peptide - Images**ADD1 Antibody (Center) Blocking Peptide - Background**

Adducins are a family of cytoskeleton 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.

ADD1 Antibody (Center) Blocking Peptide - References

Davila, S., et al. Genes Immun. (2010) In press : Paternoster, L., et al. Circ Cardiovasc Genet 3(1):15-21(2010) Ferrandi, M., et al. J. Mol. Med. 88(2):203-217(2010) Wang, R., et al. J. Appl. Genet. 51(1):87-94(2010) Niu, W.Q., et al. J Hum Hypertens (2009) In press : Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)