

ADD1 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2026a

Specification

ADD1 Antibody - Product Information

Application	E, WB, IHC
Primary Accession	P35611
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	81kDa KDa

Description

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. Alternative splicing results in multiple variants encoding distinct isoforms; however, not all variants have been fully described.

Immunogen

Purified recombinant fragment of human ADD1 (AA: 1-193) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

ADD1 Antibody - Additional Information

Gene ID 118

Other Names

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

Dilution

E~~1/10000

WB~~1/500 - 1/2000

IHC~~1/200 - 1/1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ADD1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ADD1 Antibody - 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 - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)