

**ADD1 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2026a****Specification****ADD1 Antibody - Product Information**

Application	WB, IHC, E
Primary Accession	<a href="#">P35611</a>
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**

WB~~1/500 - 1/2000

IHC~~1/200 - 1/1000

E~~1/10000

**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](#)