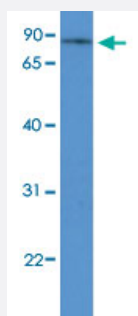


ADD3 polyclonal antibody

Catalog # PAB29942 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of THP-1 cell lysate with ADD3 polyclonal antibody (Cat # PAB29942) at 0.2-1 ug/mL working concentration.

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of human ADD3.

Immunogen A synthetic peptide corresponding to C-terminus of human ADD3.

Sequence DELAKRVSRLSTSTTNIETIKSPEKIEEVLSPEGSPSKSPSKKKKKF

Host Rabbit

Theoretical MW (kDa) 78

Reactivity Human, Mouse

Form Liquid

Purification Affinity purification

Recommend Usage
Immunofluorescence (1:100)
Western Blot (0.2-1 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (2% sucrose, 0.09% sodium azide).

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of THP-1 cell lysate with ADD3 polyclonal antibody (Cat # PAB29942) at 0.2-1 ug/mL working concentration.

- Immunofluorescence

Gene Info — ADD3

Entrez GeneID[120](#)**GeneBank Accession#**[NM_001121](#)**Protein Accession#**[NP_001112:Q9UEY8](#)**Gene Name**

ADD3

Gene Alias

ADDL

Gene Description

adducin 3 (gamma)

Omim ID[601568](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Adducins are heteromeric proteins composed of different subunits referred to as adducin alpha, beta and gamma. The three subunits are encoded by distinct genes and belong to a family of membrane skeletal proteins involved in the assembly of spectrin-actin network in erythrocytes and at sites of cell-cell contact in epithelial tissues. While adducins alpha and gamma are ubiquitously expressed, the expression of adducin beta is restricted to brain and hematopoietic tissues. Adducin, originally purified from human erythrocytes, was found to be a heterodimer of adducins alpha and beta. Polymorphisms resulting in amino acid substitutions in these two subunits have been associated with the regulation of blood pressure in an animal model of hypertension. Heterodimers consisting of alpha and gamma subunits have also been described. Structurally, each subunit is comprised of two distinct domains. The amino-terminal region is protease resistant and globular in shape, while the carboxy-terminal region is protease sensitive. The latter contains multiple phosphorylation sites for protein kinase C, the binding site for calmodulin, and is required for association with spectrin and actin. Alternatively spliced adducin gamma transcripts encoding different isoforms have been described. The functions of the different isoforms are not known. [provided by RefSeq

Other Designations

OTTHUMP00000020463|OTTHUMP00000020464|adducin-like protein 70

Disease

- [Alzheimer Disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Endolymphatic Hydrops](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Meniere Disease](#)
- [Tobacco Use Disorder](#)