



Rabbit Anti-phospho-gamma Adducin (Ser693) antibody

SL10223R

Product Name:	phospho-gamma Adducin (Ser693)
Chinese Name:	磷酸化内收蛋白gamma抗体
Alias:	ADD3; ADDG_HUMAN; ADDL; Adducin 3 (gamma); Adducin 3; Adducin-like protein 70; Gamma-adducin.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	81kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human gamma Adducin around the phosphorylation site of Ser693:TP(p-S)FL
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Adducins are a family of cytoskeletal 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 Ca²⁺/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.

Function:

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

Subunit:

Heterodimer of an alpha and a gamma subunit.

Subcellular Location:

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

Tissue Specificity:

Isoform 1 is ubiquitously expressed.

Post-translational modifications:

Sumoylated.

Similarity:

Belongs to the aldolase class II family. Adducin subfamily.

SWISS:

Q9UEY8

Gene ID:

120

Database links:

[Entrez Gene: 120](#)Human

[Entrez Gene: 27360](#)Mouse

[Entrez Gene: 25230](#)Rat

[Omid: 601568](#)Human

[SwissProt: Q9UEY8](#)Human

[SwissProt: Q9QYB5](#)Mouse

[SwissProt: Q62847](#)Rat

[Unigene: 501012](#)Human

[Unigene: 426080](#)Mouse

[Unigene: 76589](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com