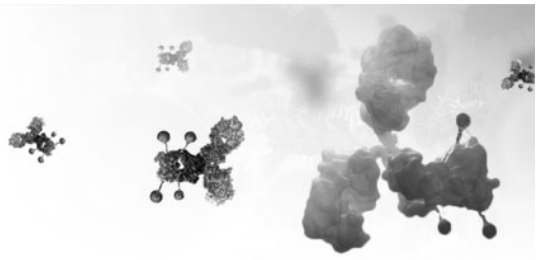

Rabbit Anti-Human ADD1 Polyclonal Antibody (CABT-L2197)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Adducin 1 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against ADD1. It has been selected for its ability to recognize ADD1 in immunohistochemical staining and western blotting.
Target	ADD1
Immunogen	Recombinant fragment corresponding to human ADD1 (Gly388~Gly560)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

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Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags
Warnings	For research use only.

BACKGROUND

Introduction	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. [provided by RefSeq, Jul 2008]
Keywords	ADDA;Alpha-Adducin;Erythrocyte adducin subunit alpha

GENE INFORMATION

Gene Name	ADD1 adducin 1 (alpha) [Homo sapiens (human)]
Official Symbol	ADD1
Synonyms	ADD1; adducin 1 (alpha); ADDA; alpha-adducin; erythrocyte adducin alpha subunit;
Entrez Gene ID	118
Protein Refseq	NP_001110
UniProt ID	P35611
Chromosome Location	4p16.3
Pathway	Apoptosis; Apoptotic cleavage of cellular proteins; Apoptotic execution phase; Caspase-mediated cleavage of cytoskeletal proteins; IRE1alpha activates chaperones; Metabolism of proteins; Programmed Cell Death; Unfolded Protein Response (UPR);
Function	T cell receptor binding; actin binding; actin filament binding; calmodulin binding; poly(A) RNA binding; protein heterodimerization activity; protein homodimerization activity; spectrin binding; structural molecule activity; transcription factor binding;

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