ADD2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ADD2, Polyclonal Antibody
Full Product Name	ADD2 (Beta-adducin, Erythrocyte Adducin Subunit beta, ADDB) (MaxLight 490)
Product Gene Name	anti-ADD2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human ADD2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Immunogen	Full length human ADD2, aa1-726 (AAH65525.1).
Immunogen Sequence	MSEETVPEAASPPPPQGQPYFDRFSEDDPEYMRLRNRAADLRQDFNLMEQKKRVTMILQSPSFREELEGLIQEQMKKGNNSSNIWALRQIADFMASTSH
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-ADD2 antibody	Antibodies; Actin
Applications Tested/Suitable for anti-ADD2 antibody	Western Blot (WB)
Application Notes for anti-ADD2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-ADD2 antibody	Adducins are heteromeric proteins composed of different subunits referred to as adducin alpha, beta and gamma. The three subunits are encoded by d kinase C, the binding site for calmodulin, and is required for association with spectrin and actin. Various adducin beta mRNAs, alternatively spliced at 3
Other Notes	Small volumes of anti-ADD2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess
Searchable Terms for ADD2 purchase	MBS6368863 is an antibody targeting ADD2. Also known as ADD2 (Beta-adducin, Erythrocyte Adducin Subunit beta, ADDB) (MaxLight 490). Reactive

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ADD2. It may not necessarily be applicable to this product.

NCBI GI #	41351355
NCBI GeneID	119
NCBI Accession #	BC065525.1
NCBI Related Accession #	AAH65525.1
UniProt Related Accession #	P35612
NCBI Official Full Name	Homo sapiens adducin 2 (beta), mRNA
NCBI Official Synonym Full Names	adducin 2
NCBI Official Symbol	ADD2
NCBI Official Synonym Symbols	ADDB
Protein Family	Aminodeoxyfutalosine deaminase
NCBI Protein Information	beta-adducin
NCBI Summary for ADD2	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 transcript variants have been described. [provided by RefSeq, Jun 2010]
Research Articles on ADD2	**1.** betaadducin was demonstrated to have a critical role in neutrophil migration.
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