antibodies .- online.com







anti-ADD2 antibody





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Quantity:	100 μL
Target:	ADD2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADD2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Fusion protein of Human ADD2
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen affinity purification

Target Details

Target:	ADD2
Alternative Name:	ADD2 (ADD2 Products)
Background:	Background: 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.

Aliases: ADD 2 antibody, ADD2 antibody, ADDB antibody, ADDB_HUMAN antibody, Adducin 2 (beta) antibody, Adducin2 antibody, Beta adducin antibody, Beta-adducin antibody, Erythrocyte adducin subunit beta antibody, OTTHUMP00000203378 antibody, OTTHUMP00000203908 antibody

UniProt:

P35612

Pathways:

Regulation of Actin Filament Polymerization

Application Details

Application Notes:

ELISA:1:1000-1:2000, IHC:1:15-1:50,

Restrictions:

For Research Use only

Handling

Format:	Liquid
Buffer:	-20 °C, pH 7.4 PBS, 0.05 % Sodium azide, 40 % Glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ABIN7128257(ADD2 Antibody) at dilution 1/15, on the right is treated with fusion protein. (Original magnification: x200)