ADD2 (Human) Cell-Based ELISA Kit

Catalog # KA2560 Size 1 Kit

Specification

Product Description	ADD2 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of ADD2 expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human, Mouse, Rat
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — ADD2

Entrez GeneID	119
Protein Accession#	P35612
Gene Name	ADD2
Gene Alias	ADDB
Gene Description	adducin 2 (beta)

Omim ID	102681
Gene Ontology	Hyperlink
Gene Summary	Adducins are heteromeric proteins composed of different subunits referred to as adducin alpha, b eta and gamma. The three subunits are encoded by distinct genes and belong to a family of mem brane skeletal proteins involved in the assembly of spectrin-actin network in erythrocytes and at sit es of cell-cell contact in epithelial tissues. While adducins alpha and gamma are ubiquitously expr essed, 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 associ ated with the regulation of blood pressure in an animal model of hypertension. Heterodimers cons isting of alpha and gamma subunits have also been described. Structurally, each subunit is compr ised of two distinct domains. The amino-terminal region is protease resistant and globular in shap e, while the carboxy-terminal region is protease sensitive. The latter contains multiple phosphoryla tion sites for protein kinase C, the binding site for calmodulin, and is required for association with spectrin and actin. Various adducin beta mRNAs, alternatively spliced at 3'end and/or internally s pliced and encoding different isoforms, have been described. The functions of all the different isof orms are not known. [provided by RefSeq
Other Designations	Adducin-2 (beta)|adducin 2|beta adducin

Disease

- Anemia
- Cardiovascular Diseases
- Diabetes Mellitus
- Diabetic Nephropathies
- Edema
- Endolymphatic Hydrops
- Genetic Predisposition to Disease
- Glomerulonephritis
- Hypertension
- Meniere Disease
- Proteinuria
- Tobacco Use Disorder