



Adducin γ Polyclonal Antibody

Catalog No	YP-Ab-03084
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	ADD3
Immunogen	The antiserum was produced against synthesized peptide derived from human ADD3. AA range:431-480
Specificity	Adducin γ Polyclonal Antibody detects endogenous levels of Adducin γ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	Adducin γ ;ADD3;Gamma-adducin;ADDL;Adducin-like protein 70
Observed Band	75kD
Calculated Molecular Weight	75kD
Cell Pathway	Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side.
Tissue Specificity	Isoform 1 is ubiquitously expressed.
Function	alternative products:Additional isoforms seem to exist,domain:Comprised of three regions: a N-terminal protease-resistant globular head region, a short connecting subdomain, and a protease-sensitive tail region.,function:Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to calmodulin.,PTM:Sumoylated.,similarity:Belongs to the aldolase class II family. Adducin subfamily.,subunit:Heterodimer of an alpha and a gamma subunit.,tissue specificity:Heart only expresses isoform 1.,

**Background**

adducin 3(ADD3) Homo sapiens 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 i

matters needing attention

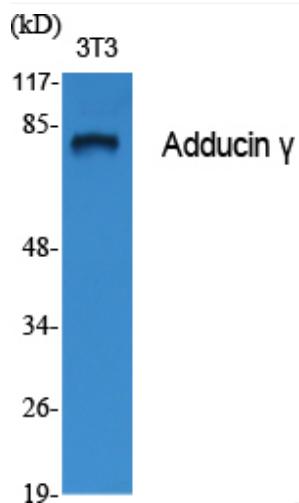
Avoid repeated freezing and thawing!

Usage suggestions

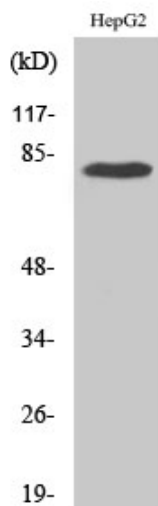
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



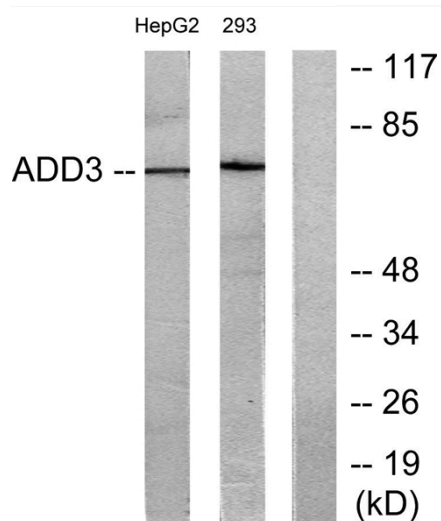
Products Images



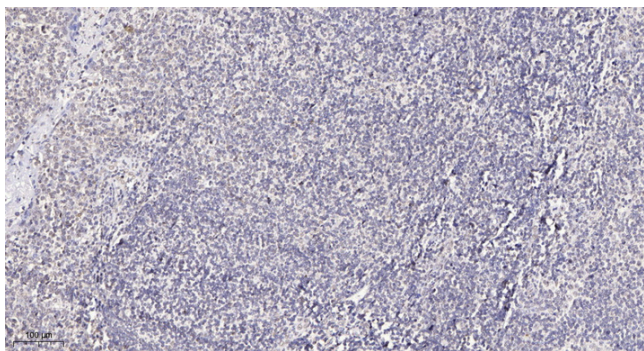
Western Blot analysis of various cells using Adducin γ Polyclonal Antibody



Western Blot analysis of 293 cells using Adducin γ Polyclonal Antibody



Western blot analysis of lysates from HepG2 and 293 cells, using ADD3 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).