Datasheet for ABIN197406

anti-alpha Adducin antibody (Ser726)

3 Images

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Overview

Quantity:	0.1 mL
Target:	alpha Adducin (ADD1)
Binding Specificity:	Ser726
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This alpha Adducin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthetic non-phosphopeptide derived from human ADD1 around the phosphorylation site of serine 726 (T-P-Sp-F-L).
Specificity:	ADD1 antibody detects endogenous levels of total ADD1 protein.
Purification:	Immunoaffinity chromatography

Target Details

Target:	alpha Adducin (ADD1)
Alternative Name:	alpha-Adducin (ADD1) (ADD1 Products)
Background:	Alpha adducin is a 80-120 kD member of the aldolase class II family and adducin subfamily. This protein has three isoforms that interact as heterodimers alpha/beta, and beta/gamma.

Target Details

	The molecular weights for the various isoforms alpha=120 kD, beta=110kD, gamma=80kD. The alpha adducin protein is a ubiquitously expressed cytoskeletal protein that binds with high affinity to Ca2+/calmodulin and acts as a substrate for protein kinases A and C. This protein has been reported to promote the assembly of the spectrinactin network. Polymorphisms in alpha adducin are associated with cardiovascular disease and hypertension. Alpha adducin has been reported to interact with calmodulin. When phosphorylated by Rho-kinase, alpha adducin can regulate membrane ruffling and cell motility.Synonyms: ADDA, Erythrocyte adducin subunit alpha
Gene ID:	118
NCBI Accession:	NP_001110
UniProt:	P35611
Pathways:	Negative Regulation of Hormone Secretion, Regulation of Actin Filament Polymerization, Regulation of Lipid Metabolism by PPARalpha, ER-Nucleus Signaling

Application Details

Application Notes:	Suitable for use in in Western blot (1: 500-1: 1000). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % Sodium Azide and 50 % 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.

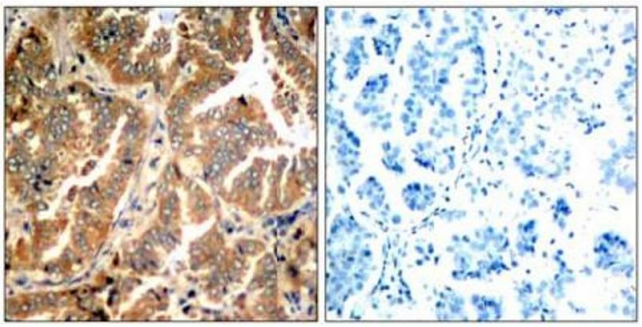

Image 1.

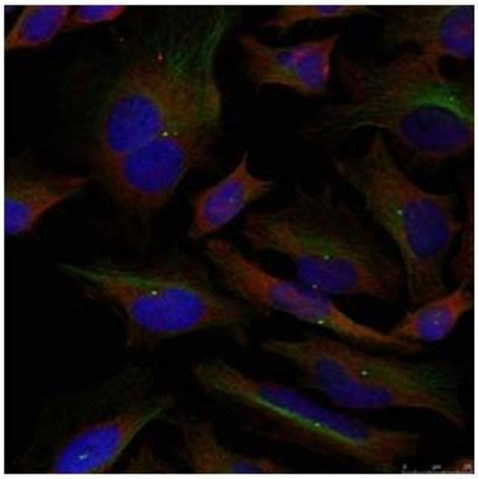

Image 2.

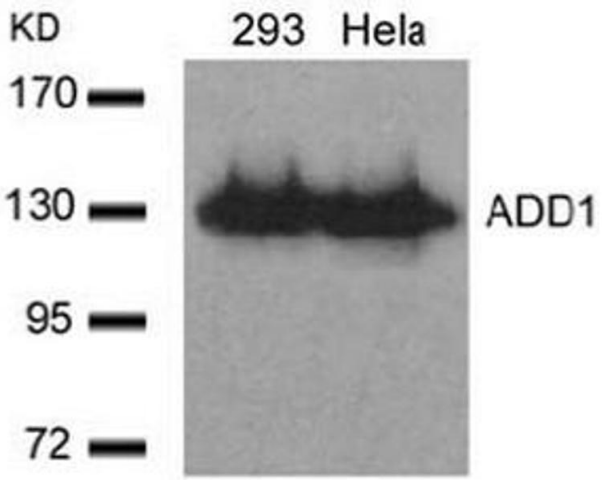

Image 3.