ELK Biotechnology

Adducin α/β (phospho Ser726/713) rabbit pAb

Cat No.:ES1504

For research use only

Overview

Product Name	Adducin α/β (phospho Ser726/713) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ADD1 around the phosphorylation site of Ser726. AA range:688-737
Specificity	Phospho-Adducin α/β (S726/713) Polyclonal Antibody detects endogenous levels of Adducin α/β protein only when phosphorylated at S726/713.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Alpha-adducin/Beta-adducin
Gene Name	ADD1/ADD2
Cellular localization	Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	80kD
Human Gene ID	118/119
Human Swiss-Prot Number	P35611/P35612
Alternative Names	ADD1; ADDA; Alpha-adducin; Erythrocyte adducin subunit alpha; ADD2; ADDB; Beta-adducin; Erythrocyte adducin subunit beta

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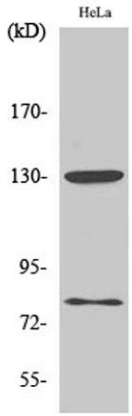
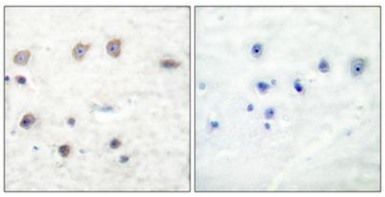
Background

adducin 1(ADD1) Homo sapiens Adducins are a family of cytoskeleton proteins encoded by three genes (alpha, beta, gamma). Adducin is a heterodimeric protein that consists of related subunits, which are produced from distinct genes but share a similar structure. Alpha- and beta-adducin include a protease-resistant N-terminal region and a protease-sensitive, hydrophilic C-terminal region. Alpha- and gamma-adducins are ubiquitously expressed. In contrast, beta-adducin is expressed at high levels in brain and hematopoietic tissues. Adducin binds with high affinity to Ca(2+)/calmodulin and is a substrate for protein kinases A and C. Alternative splicing results in multiple variants encoding distinct isoforms; however, not all variants have been fully described. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using Phospho-Adducin α/β (S726/713) Polyclonal Antibody diluted at 1:1000



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

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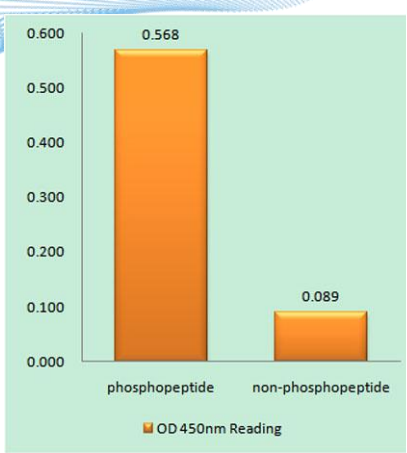
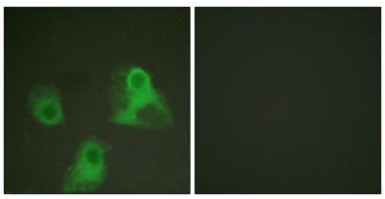


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using ADD1 (Phospho-Ser726) Antibody

Immunofluorescence analysis of HeLa cells, using ADD1 (Phospho-Ser726) Antibody. The picture on the right is blocked with the phospho peptide.



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