

**Adducin  $\alpha/\beta$  (phospho Ser726/713) rabbit pAb****Cat#: orb764379 (Manual)**

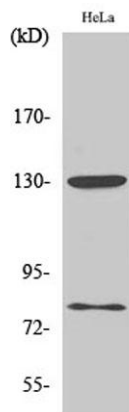
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<b>Product Name</b>	Adducin $\alpha/\beta$ (phospho Ser726/713) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: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

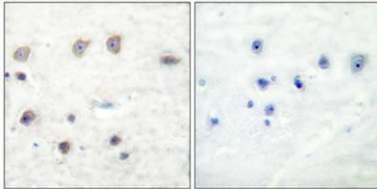
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	80kD
<b>Human Gene ID</b>	118/119
<b>Human Swiss-Prot Number</b>	P35611/P35612
<b>Alternative Names</b>	ADD1; ADDA; Alpha-adducin; Erythrocyte adducin subunit alpha; ADD2; ADDB; Beta-adducin; Erythrocyte adducin subunit beta

**Background**

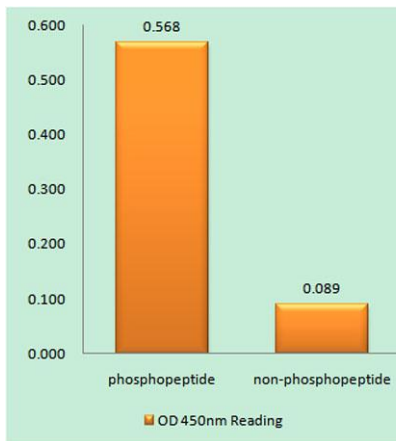
adducin 1(ADD1) Homo sapiens      Adducins are a family of cytoskeleton proteins encoded by three genes (alpha, beta, gamma). Adducin is a heterodimeric protein that consists of related subunits, which are produced from distinct genes but share a similar structure. Alpha- and beta-adducin include a protease-resistant 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],



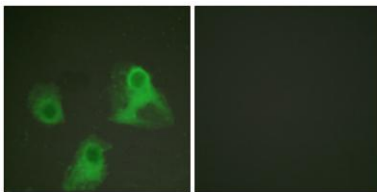
**Western Blot analysis of various cells using Phospho-Adducin  $\alpha/\beta$  (S726/713) Polyclonal Antibody diluted at 1:1000**



**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. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.**



**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.**