ADD1(Phospho-Ser726) Antibody

Catalog No: #11182

Package Size: #11182-1 50ul #11182-2 100ul #11182-4 25ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	ADD1(Phospho-Ser726) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of ADD1only when phosphorylated at serine 726.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 726 (T-P-S(p)-F-L) derived from Human ADD1.
Target Name	ADD1
Modification	Phospho-Ser726
Other Names	ADDA; Erythrocyte adducin alpha subunit;
Accession No.	Swiss-Prot: P35611NCBI Protein: NP_001110.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

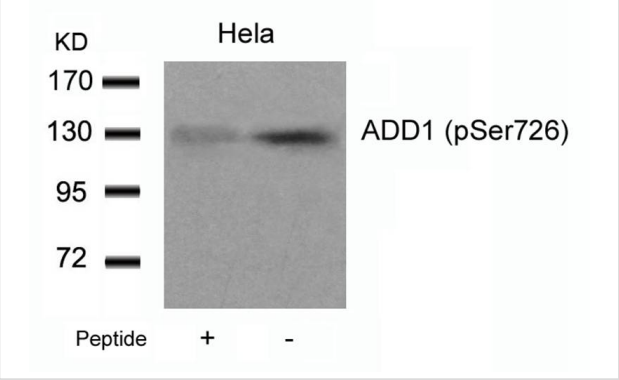
Predicted MW: 130kd

Western blotting: 1:500~1:1000

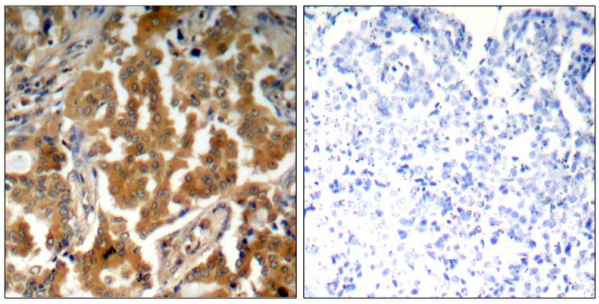
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

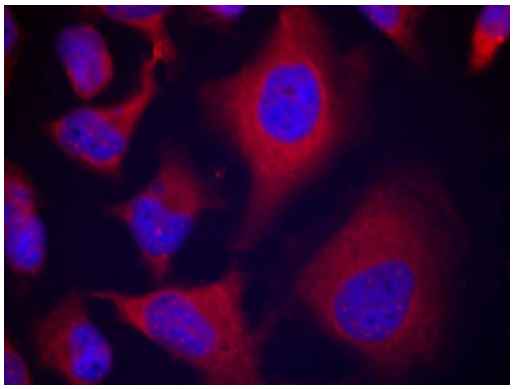
Images



Western blot analysis of extracts from Hela cells using ADD1(Phospho-Ser726) Antibody #11182 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using ADD1(Phospho-Ser726) Antibody #11182(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed Hela cells using ADD1(Phospho-Ser726) Antibody #11182.

Background

Adducins are a family of cytoskeleton proteins encoded by three genes (a, beta, gamma). Adducin is a heterodimeric protein that consists of related subunits, which are produced from distinct genes but share a similar structure. a- and beta-adducin include a protease-resistant N-terminal region and a protease-sensitive, hydrophilic C-terminal region. a- 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.

Pariser H, et al. Proc Natl Acad Sci USA 2005 Aug 30; 102(35): 12407-12

Tamaru S, et al. Biochem Biophys Res Commun 2005 Jul 01; 332(2): 347-51

Barkalow KL, et al. J Cell Biol 2003 May 12; 161(3): 557-70

Note: This product is for in vitro research use only and is not intended for use in humans or animals.