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Anti-Alpha-adducin (Phospho-S726/713) Antibody

Catalog # AP60131

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P35611
Other Accession	P35612
Reactivity	Human, Mouse, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	80955

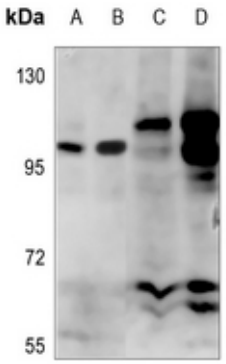
Additional Information

Gene ID	118
Other Names	ADD1; ADDA; Alpha-adducin; Erythrocyte adducin subunit alpha; ADD2; ADDB; Beta-adducin; Erythrocyte adducin subunit beta
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S726/713 of human Alpha-adducin protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500), IP (1/10 - 1/100) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

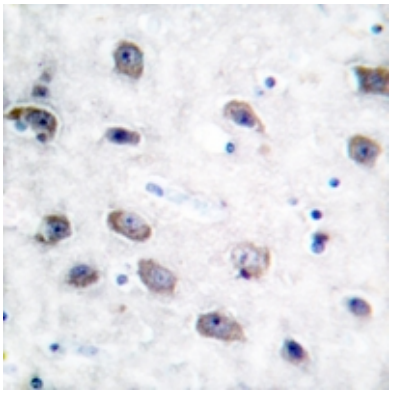
Protein Information

Name	ADD1
Synonyms	ADDA
Function	Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to calmodulin.
Cellular Location	Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side
Tissue Location	Expressed in all tissues. Found in much higher levels in reticulocytes than the beta subunit

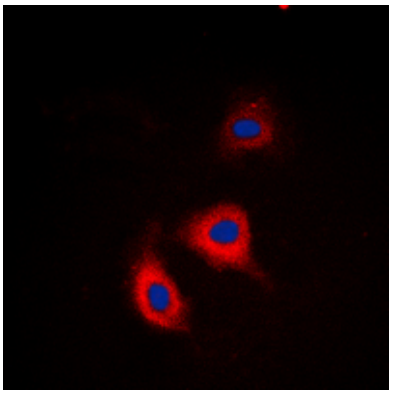
Images



Western blot analysis of Alpha-adducin (Phospho-S726/713) expression in A549 (A), H446 (B), rat liver (C), rat kidney (D) whole cell lysates. (Predicted band size: 80 kD; Observed band size: 120; 97 kD)



Immunohistochemical analysis of Alpha-adducin (Phospho-S726/713) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Alpha-adducin (Phospho-S726/713) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).