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ADD1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22310c

Product Information

Application	WB, FC, E
Primary Accession	P35611
Other Accession	Q5RA10
Reactivity	Human, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB57511
Calculated MW	80955

Additional Information

Gene ID	118
Other Names	Alpha-adducin, Erythrocyte adducin subunit alpha, ADD1, ADDA
Target/Specificity	This ADD1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 428-462 amino acids from the Central region of human ADD1.
Dilution	WB~~1:2000 FC~~1:25 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ADD1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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

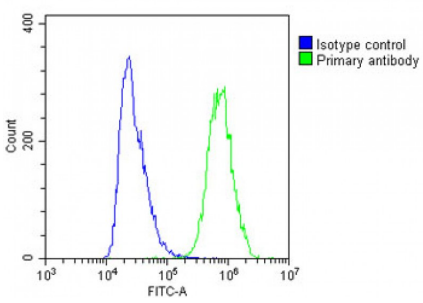
Background

Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to calmodulin.

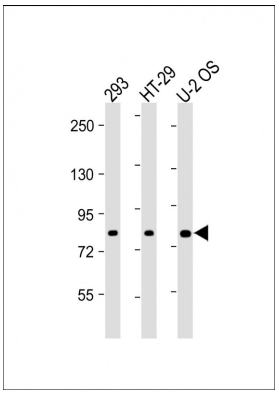
References

Joshi R.L.,et al.J. Cell Biol. 115:665-675(1991).
Goldberg Y.P.,et al.Hum. Mol. Genet. 1:669-675(1992).
Lin B.,et al.Genomics 25:93-99(1995).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 434:724-731(2005).

Images



Overlay histogram showing A431 cells stained with AP22310c(green line). The cells were fixed with 2% paraformaldehyde and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at Room temperature. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



All lanes : Anti-ADD1 Antibody (Center) at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: HT-29 whole cell lysate Lane 3: U-2 OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 81 kDa Blocking/Dilution buffer: 5% NFDM/TBST.