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ADD1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22310c

Specification

ADD1 Antibody (Center) - Product Information

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

ADD1 Antibody (Center) - 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.

ADD1 Antibody (Center) - 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

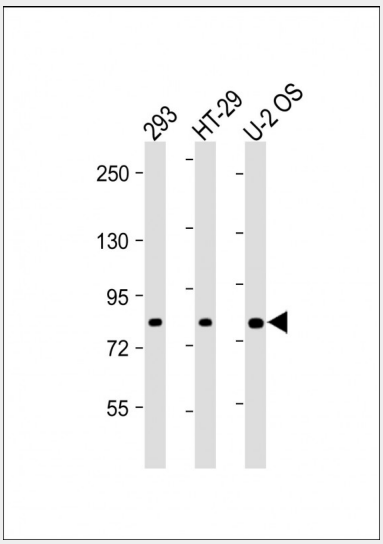
Tissue Location
Expressed in all tissues. Found in much higher levels in reticulocytes than the beta subunit

ADD1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ADD1 Antibody (Center) - Images



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.

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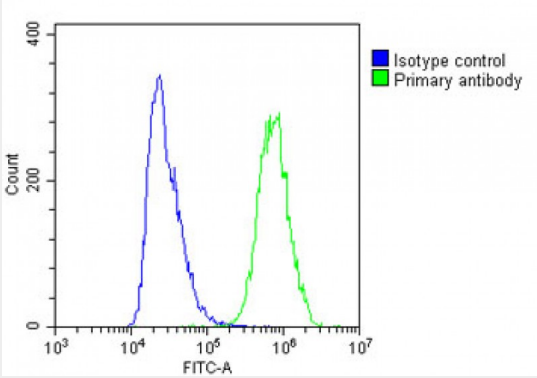

Overlay histogram showing A431 cells stained with AP22310c(green line). The cells were fixed with 2% paraformaldehyde and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (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.

ADD1 Antibody (Center) - Background

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

ADD1 Antibody (Center) - 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).