

## Rabbit anti-Human ADD1 Polyclonal Antibody | anti-ADD1 antibody

ADD1 Antibody (Center)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                          |
|-----------|--------|------------|-------------------------------------------------------|
| AAA290893 | Rabbit | Human      | Flow Cytometry, Functional Assay, ELISA, Western Blot |

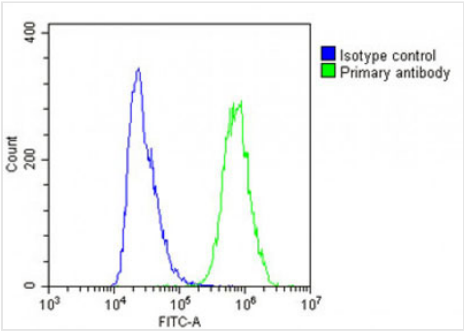
### PRODUCT SYNONYMS

ADD1; Polyclonal Antibody; ADD1 Antibody (Center); Purified Rabbit Polyclonal Antibody (Pab); Alpha-adducin; Erythrocyte adducin subunit alpha; ADDA; anti-ADD1 antibody

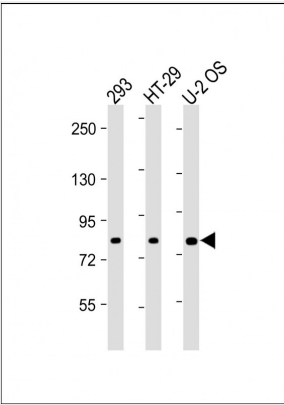
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                    |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                             |
| Reactivity                                     | Human                                                                                                                                                              |
| Clonality                                      | Polyclonal                                                                                                                                                         |
| Isotype                                        | Ig                                                                                                                                                                 |
| 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. |
| Purity/Purification                            | Purified through a protein A column, followed by peptide affinity purification.                                                                                    |
| Form/Format                                    | Supplied in PBS with 0.09% (W/V) sodium azide.                                                                                                                     |
| Sequence Length                                | 737                                                                                                                                                                |
| Applicable Applications for anti-ADD1 antibody | FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)                                                                                                                |
| Antigen Source                                 | Human                                                                                                                                                              |
| Tissue Location                                | Expressed in all tissues. Found in much higher levels in reticulocytes than the beta subunit                                                                       |
| Cellular Location                              | Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side                                                                              |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 2 weeks.<br>For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.           |

IMAGES



**FCM/FACS (Flow Cytometry)**  
Overlay histogram showing A431 cells stained with AAA290893 (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 37°C. 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 (1ug/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10, 000 events was performed.



**WB (Western Blot)**  
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 ug 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.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                     |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ADD1 antibody | Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to calmodulin.                                                                                                             |
| Product Categories/Family for anti-ADD1 antibody   | Primary Antibodies; Signal Transduction                                                                                                                                                                                             |
| 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). |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 29826319                                                                                       |
| NCBI GeneID                      | 118                                                                                            |
| NCBI Accession #                 | NP_001110.2                                                                                    |
| NCBI GenBank Nucleotide #        | NM_001119.4                                                                                    |
| UniProt Accession #              | P35611; Q13734; Q14729; Q16156; Q86XM2; Q9UJB6; A2A3N8; A2A3P0; B4DI79; D3DVR3; D3DVR4; D3DVR5 |
| Molecular Weight                 | 80955                                                                                          |
| NCBI Official Full Name          | alpha-adducin isoform a                                                                        |
| NCBI Official Synonym Full Names | adducin 1                                                                                      |
| NCBI Official Symbol             | ADD1                                                                                           |
| NCBI Official Synonym Symbols    | ADDA                                                                                           |
| NCBI Protein Information         | alpha-adducin                                                                                  |
| UniProt Protein Name             | Alpha-adducin                                                                                  |
| UniProt Gene Name                | ADD1                                                                                           |
| UniProt Synonym Gene Names       | ADDA                                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

