

## Rabbit CTNA1 Polyclonal Antibody | anti-CTNNA1 antibody

CTNA1 Antibody (N-term)

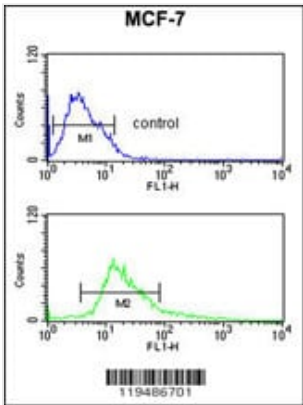
| CATALOG # | HOST   | REACTIVITY                                          | APPLICATIONS                                                                |
|-----------|--------|-----------------------------------------------------|-----------------------------------------------------------------------------|
| AAA284244 | Rabbit | Human, mouse (Predicted Reactivity: Bovine, Rabbit) | Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA |

### PRODUCT SYNONYMS

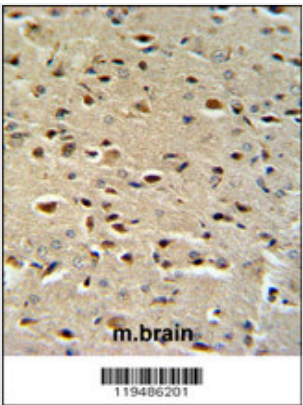
CTNA1; Polyclonal Antibody; CTNA1 Antibody (N-term); Catenin alpha-1; Alpha E-catenin; Cadherin-associated protein; Renal carcinoma antigen NY-REN-13; CTNNA1; anti-CTNNA1 antibody

### PRODUCT SPECIFICATIONS

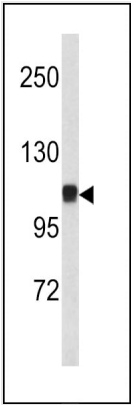
|                                                  |                                                                                                                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                    |
| Reactivity                                       | Human, mouse (Predicted Reactivity: Bovine, Rabbit)                                                                                                                                       |
| Clonality                                        | Polyclonal                                                                                                                                                                                |
| Isotype                                          | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                      | This CTNA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 30-59 amino acids from the N-terminal region of human CTNA1.                      |
| Purity/Purification                              | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                    | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                               | 30-59                                                                                                                                                                                     |
| Sequence Length                                  | 536                                                                                                                                                                                       |
| Applicable Applications for anti-CTNNA1 antibody | WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA                                                                                                           |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                   | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |



**FCM/FACS (Flow Cytometry)**  
CTNA1 Antibody (N-term) flow cytometric analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**IHC (Immunohistochemistry)**  
CTNA1 Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded mouse brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CTNA1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
Western blot analysis of CTNA1 antibody (N-term) in mouse bladder tissue lysates (35ug/lane). CTNA1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CTNNA1 antibody | CTNA1 associates with the cytoplasmic domain of a variety of cadherins. The association of catenins to cadherins produces a complex which is linked to the actin filament network, and which seems to be of primary importance for cadherins cell-adhesion properties. The protein may play a crucial role in cell differentiation. |
| Product Categories/Family for anti-CTNNA1 antibody   | Cancer; Signal Transduction                                                                                                                                                                                                                                                                                                         |
| References                                           | Inge,L.J., Mol. Cancer Ther. 7 (6), 1386-1397 (2008)<br>Merdek,K.D., Biochem. Biophys. Res. Commun. 366 (3), 717-723 (2008)                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                           |                        |
|---------------------------|------------------------|
| NCBI GI #                 | 55770844               |
| NCBI GeneID               | 1495                   |
| NCBI Accession #          | NP_001894.2            |
| NCBI GenBank Nucleotide # | NM_001903.3            |
| UniProt Accession #       | P35221; Q12795; Q8N1C0 |
| Molecular Weight          | 100071                 |

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI Official Full Name          | catenin alpha-1 isoform 1                              |
| NCBI Official Synonym Full Names | catenin (cadherin-associated protein), alpha 1, 102kDa |
| NCBI Official Symbol             | CTNNA1                                                 |
| NCBI Official Synonym Symbols    | CAP102                                                 |
| NCBI Protein Information         | catenin alpha-1                                        |
| UniProt Protein Name             | Catenin alpha-1                                        |
| UniProt Gene Name                | <b>CTNNA1</b>                                          |
| UniProt Entry Name               | CTNA1_HUMAN                                            |

**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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ctna1-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/284244>