

## Rabbit anti-Human Centrin 1 Polyclonal Antibody | anti-CETN1 antibody

Centrin 1 Antibody

|                               |                       |                            |                                                           |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA322921</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|

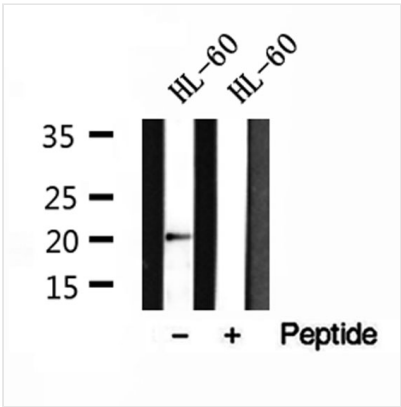
### PRODUCT SYNONYMS

Centrin 1; Polyclonal Antibody; Centrin 1 Antibody; Caltractin; Caltractin isoform 2; CEN 1; CEN1; Centrin EF hand protein 1; Centrin-1; Centrin1; CETN 1; CETN; CETN1; CETN1\_HUMAN; EF hand protein 1; anti-CETN1 antibody

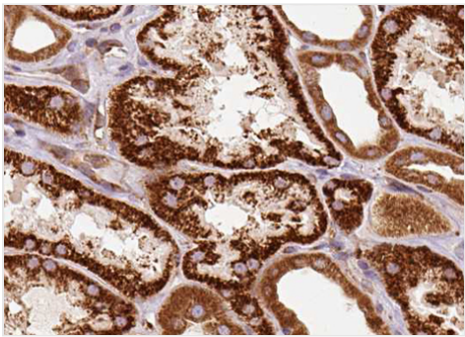
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                 |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                          |
| Reactivity                                      | Human                                                                                                           |
| Clonality                                       | Polyclonal                                                                                                      |
| Isotype                                         | IgG                                                                                                             |
| Specificity                                     | Centrin 1 antibody detects endogenous levels of Centrin 1.                                                      |
| Purity/Purification                             | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                   |
| Form/Format                                     | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                   |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                          |
| Sequence Length                                 | 172                                                                                                             |
| Applicable Applications for anti-CETN1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                   |
| Immunogen                                       | A synthesized peptide derived from human Centrin 1.                                                             |
| Subcellular Location                            | Cytoplasm > Cytoskeleton > Centrosome. Centrosome of interphase and mitotic cells.                              |
| Predicted Cross Reactivity                      | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus</b>                                                 |
| Similarity                                      | Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (100%) |
| Conjugation                                     | Unconjugated                                                                                                    |
| Preparation and Storage                         | Store at -20 degree C. Stable for 12 months from date of receipt.                                               |

IMAGES



**WB (Western Blot)**  
Western blot analysis of extracts of HL-60 cells, using Centrin 1 antibody.



**IHC (Immunohistochemistry)**  
AAA322921 at 1/100 staining Human kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CETN1 antibody</b> | Function: Plays a fundamental role in microtubule-organizing center structure and function (PubMed:8175926).<br>Plays a role in sperm cilia formation (By similarity).<br>Subunit Structure: Monomer (By similarity). Interacts with PIFO (PubMed:20643351).<br>Similarity: Belongs to the centrin family. |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 4757974                               |
| NCBI GeneID                      | 1068                                  |
| NCBI Accession #                 | NP_004057.1                           |
| NCBI GenBank Nucleotide #        | NM_004066.2                           |
| UniProt Accession #              | Q12798; B2R536                        |
| Molecular Weight                 | Observed: 20 kDa<br>Predicted: 20 kDa |
| NCBI Official Full Name          | centrin-1                             |
| NCBI Official Synonym Full Names | centrin 1                             |
| NCBI Official Symbol             | CETN1                                 |
| NCBI Official Synonym Symbols    | CEN1; CETN                            |
| NCBI Protein Information         | centrin-1                             |
| UniProt Protein Name             | Centrin-1                             |
| UniProt Gene Name                | CETN1                                 |
| UniProt Synonym Gene Names       | CEN1; CETN                            |

**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.