

**CHORDC1 / CHP1 Antibody (N-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS13549****Specification**

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**CHORDC1 / CHP1 Antibody (N-Terminus) - Product Information**

|                   |                                                                |
|-------------------|----------------------------------------------------------------|
| Application       | WB, IHC-P, IF, ICC, E                                          |
| Primary Accession | <a href="#">Q9UHD1</a>                                         |
| Reactivity        | Human, Mouse, Rat                                              |
| Host              | Rabbit                                                         |
| Clonality         | Polyclonal                                                     |
| Calculated MW     | 37kDa KDa                                                      |
| Dilution          | WB~~1:1000<br>IHC-P~~N/A<br>IF~~1:50~200<br>ICC~~N/A<br>E~~N/A |

**CHORDC1 / CHP1 Antibody (N-Terminus) - Additional Information****Gene ID** 26973**Other Names**

Cysteine and histidine-rich domain-containing protein 1, CHORD domain-containing protein 1, CHORD-containing protein 1, CHP-1, Protein morgana, CHORDC1, CHP1

**Target/Specificity**

Human CHORDC1

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

CHORDC1 / CHP1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**CHORDC1 / CHP1 Antibody (N-Terminus) - Protein Information****Name** CHORDC1**Synonyms** CHP1**Function**

Regulates centrosome duplication, probably by inhibiting the kinase activity of ROCK2 (PubMed:<a href="http://www.uniprot.org/citations/20230755" target="\_blank">20230755</a>). Proposed to act as co- chaperone for HSP90 (PubMed:<a href="http://www.uniprot.org/citations/20230755" target="\_blank">20230755</a>). May play a role in the regulation of NOD1 via a HSP90 chaperone complex (PubMed:<a href="http://www.uniprot.org/citations/20230755" target="\_blank">20230755</a>).

target="\_blank">20230755</a>). In vitro, has intrinsic chaperone activity (PubMed:<a href="http://www.uniprot.org/citations/20230755" target="\_blank">20230755</a>). This function may be achieved by inhibiting association of ROCK2 with NPM1 (PubMed:<a href="http://www.uniprot.org/citations/20230755" target="\_blank">20230755</a>). Plays a role in ensuring the localization of the tyrosine kinase receptor EGFR to the plasma membrane, and thus ensures the subsequent regulation of EGFR activity and EGF-induced actin cytoskeleton remodeling (PubMed:<a href="http://www.uniprot.org/citations/32053105" target="\_blank">32053105</a>). Involved in stress response (PubMed:<a href="http://www.uniprot.org/citations/20230755" target="\_blank">20230755</a>). Prevents tumorigenesis (PubMed:<a href="http://www.uniprot.org/citations/20230755" target="\_blank">20230755</a>).

#### **Tissue Location**

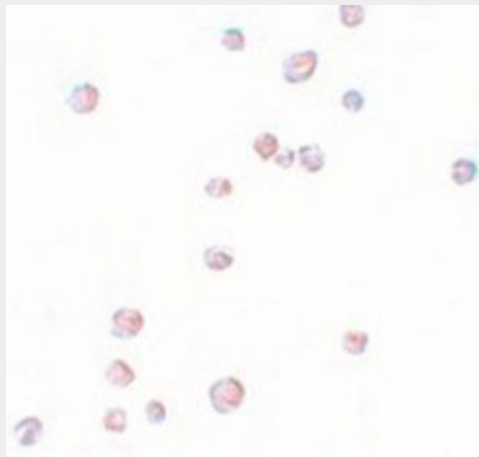
Underexpressed in many breast and lung cancers.

#### **CHORDC1 / CHP1 Antibody (N-Terminus) - Protocols**

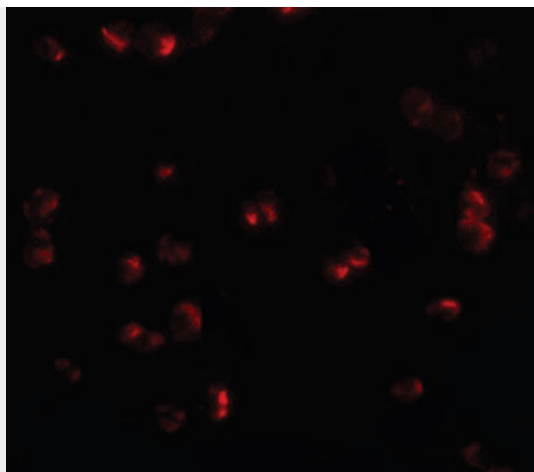
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

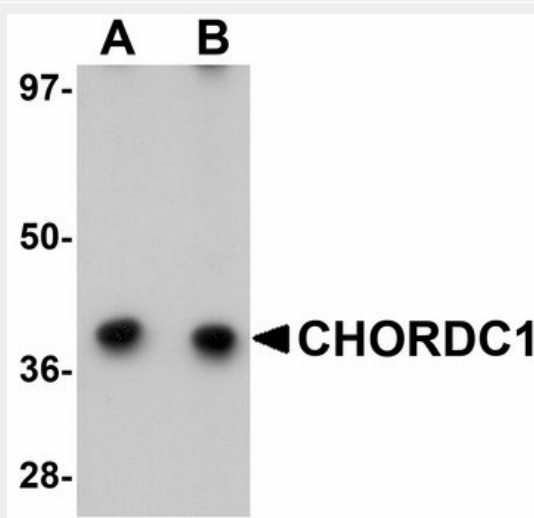
#### **CHORDC1 / CHP1 Antibody (N-Terminus) - Images**



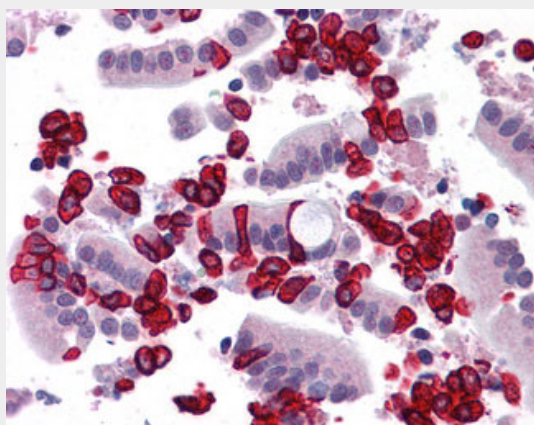
Immunocytochemistry of CHORDC1 in 293 cells with CHORDC1 antibody at 2.5 ug/ml.



Immunofluorescence of CHORDC1 in 293 cells with CHORDC1 antibody at 20 ug/ml.



Western blot of CHORDC1 in 293 cell lysate with CHORDC1 antibody at (A) 1 and (B) 2 ug/ml.



Anti-CHORDC1 antibody IHC of human small intestine.

#### **CHORDC1 / CHP1 Antibody (N-Terminus) - Background**

Regulates centrosome duplication, probably by inhibiting the kinase activity of ROCK2. Proposed to act as co-chaperone for HSP90. May play a role in the regulation of NOD1 via a HSP90 chaperone complex. In vitro, has intrinsic chaperone activity. This function may be achieved by inhibiting association of ROCK2 with NPM1. Involved in stress response. Prevents tumorigenesis.

**CHORDC1 / CHP1 Antibody (N-Terminus) - References**

Shirasu K.,et al.Cell 99:355-366(1999).  
Zhao Y.,et al.Submitted (JAN-1999) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Taylor T.D.,et al.Nature 440:497-500(2006).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.