SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-CHORDC1 antibody

Catalog Number: SL6409R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CHORDC1
Immunogen:	KLH conjugated synthetic peptide derived from human CHORDC1: 301-395/395
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	37kDa
Subcellular Location:	The nucleus cytoplasmic Extracellular matrix Secretory protein
Background:	Human CHP1 and the C. elegans homolog Chp are CHORD domain-containing proteins that are largely related, and their corresponding genes are evolutionarily conserved among various eukaryotic organisms (1,2). The unique CHORD domain is characterized as 60 amino acids in length, and contains six highly conserved cysteine residues, two histidine residues and a distinct Zn2+-binding domain (3). CHP1 and the other metazoan orthologs have tandem CHORD domains that are located at both the N- and C- termini (1,4). These proteins are implicated in germline development and embryogenesis as mutations affecting the CHORD domain of the nematode

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	protein Chp result in semisterility and embryonic lethality (1,5). **Function:** 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. **Subunit:** InteractswithHSP90AA1,ROCK1andROCK2.InteractswithHSP90AB1andPPP5C **Tissue Specificity:** Underexpressedinmanybreastandlungcancers. **Similarity:** Contains2CHORDdomains. Contains1CSdomain. **Database links:** **Entrez Gene:** 26973 Human **Entrez Gene:** 66917 Mouse **Entrez Gene:** 315447 Rat Omim: 604353 Human **SwissProt:** Q9UHD1 Human **SwissProt:** Q9D1P4 Mouse **SwissProt:** D4A4T9 Rat **Unigene:** 22857 Human **Unigene:** 479183 Mouse **Unigene:** 6136 Rat

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