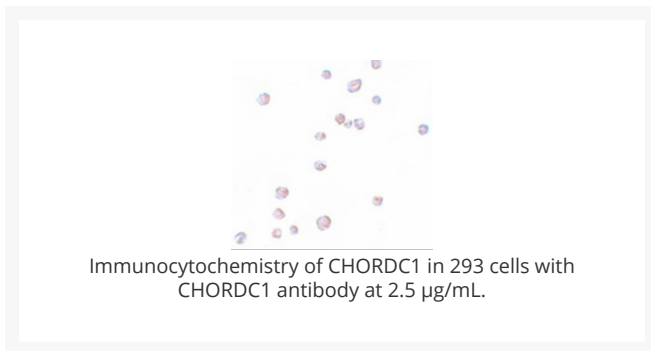
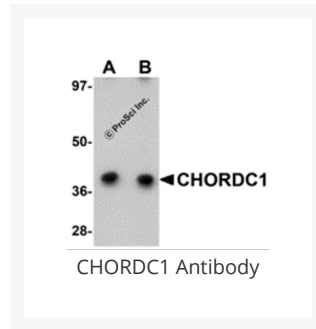




CHORDC1 Antibody

Cat. No.: 5587



Ψ Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Human, Mouse, Rat
HOMOLOGY:	Predicted species reactivity based on immunogen sequence: Pig: (100%), Bovine: (100%), Chicken: (86%)
IMMUNOGEN:	CHORDC1 antibody was raised against a 21 amino acid synthetic peptide near the amino terminus of human CHORDC1. The immunogen is located within amino acids 50 - 100 of CHORDC1.
TESTED APPLICATIONS:	ELISA, ICC, IF, WB

APPLICATIONS:	CHORDC1 antibody can be used for detection of CHORDC1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunocytochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
POSITIVE CONTROL:	1) Cat. No. 1210 - HEK293 Cell Lysate
	2) Cat. No. 17-010 - HEK293 Cell Slide

Ψ Properties

PURIFICATION:	CHORDC1 Antibody is affinity chromatography purified via peptide column.
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	CHORDC1 Antibody is supplied in PBS containing 0.02% sodium azide.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	CHORDC1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Ψ Additional Info

OFFICIAL SYMBOL:	CHORDC1
ALTERNATE NAMES:	CHORDC1 Antibody: CHP1, CHP1, Cysteine and histidine-rich domain-containing protein 1, CHORD domain-containing protein 1, CHORD-containing protein 1
ACCESSION NO.:	NP_036256
PROTEIN GI NO.:	221316566
GENE ID:	26973
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Ψ Background and References

BACKGROUND:	CHORDC1 Antibody: The cysteine and histidine-rich domain (CHORD)-containing protein (CHORDC1) is a member of a highly conserved protein family that contains the plant protein RAR1 and the mammalian protein melusin. In mammals, CHORDC1 is an ADP-dependent HSP90-interacting protein, and this interaction is dependent on the ability of HSP90 to bind nucleotides. Recent experiments indicate that CHORDC1 mRNA is diurnally regulated in mouse hypothalamus, and that this regulation alters during development, suggesting that CHORDC1 may play a role in circadian mechanisms in the mammalian brain.
REFERENCES:	1) Shirasu K, Lahaye T, Tan MW, et al. A novel class of eukaryotic zinc-binding proteins is required for disease resistance signaling in barley and development in <i>C. elegans</i> . <i>Cell</i> 1999; 99:355-66.
	2) Brancaccio M, Menini N, Bongiani D, et al. Chp-1 and melusin, two CHORD containing proteins in vertebrates. <i>FEBS Lett.</i> 2003; 551:47-52.
	3) Wu J, Luo S, Jiang H, et al. Mammalian CHORD-containing protein 1 is a novel heat shock protein 90-interacting protein. <i>FEBS Lett.</i> 2005; 579:421-6.
	4) Gano JJ and Simon JA. A proteomic investigation of ligand-dependent HSP90 complexes reveals CHORDC1 as a novel ADP-dependent HSP90-interacting protein. <i>Mol. Cell Proteomics</i> 2010; 9:255-70.

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