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+1 484.791.3823

Datasheet for 600-401-AK1

CHORDC1 Antibody

Overview

Description:	Anti-CHORDC1 (RABBIT) Antibody - 600-401-AK1
Item No.:	600-401-AK1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	CHORDC1 Antibody, CHP1, CHP1, Cysteine and histidine-rich domain-containing protein 1, CHORD domain-containing protein 1, CHORD-containing protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CHORDC1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CHORDC1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 21 amino acid synthetic peptide near the N-terminus of human CHORDC1.

Purity/Specificity:	Anti-CHORDC1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with CHORDC1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9UHD1 • GeneID - 26973 • NCBI - NP_036256

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-CHORDC1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 37 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
WB:	1-2 µg/mL

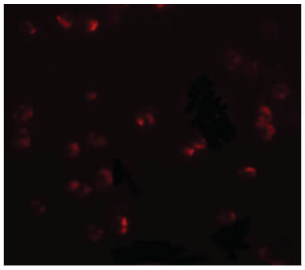
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

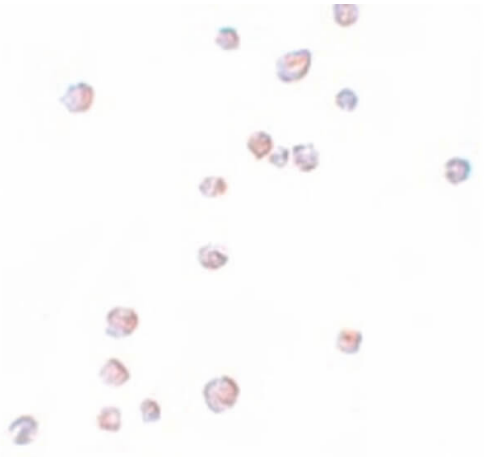
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

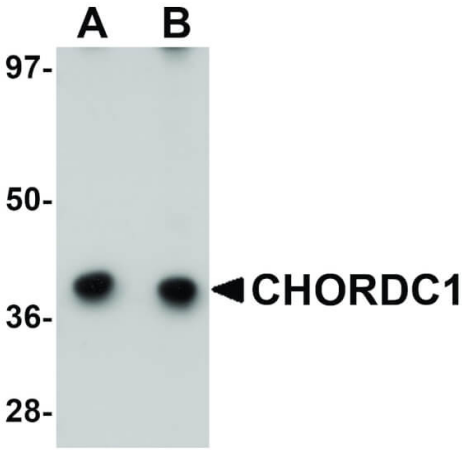
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of CHORDC1 antibody. Tissue: 3T3 cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: CHORDC1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: CHORDC1 as red fluorescent signal.



Immunohistochemistry
Immunocytochemistry of CHORDC1 antibody. Tissue: 293 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: CHORDC1 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: CHORDC1 as precipitated pink signal with blue nuclear counterstain.



Western Blot
Western Blot of CHORDC1 antibody. Lane 1: 293 cell lysate with CHORDC1 antibody at 1 µg/mL. Lane 2: 293 cell lysate with CHORDC1 antibody at 2 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.
Predicted/Observed size: 37 kDa, 38 kDa for CHORDC1.
Other band(s): CHORDC1 splice variants and isoforms.

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Disclaimer

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