

Datasheet for 600-401-AL9**CLPH Antibody****Overview**

Description:	Anti-CLPH (RABBIT) Antibody - 600-401-AL9
Item No.:	600-401-AL9
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Rat
Host Species:	Rabbit

Product Details

Background:	CLPH (Casein-Like phosphoprotein) is a recently discovered, evolutionarily conserved, testis-specific cytoplasmic protein expressed exclusively in postmeiotic germ cells in rat spermatogenesis. CLPH is a novel casein kinase 2-phosphorylated disordered and calcium-binding protein that displays strong variation in relative expression levels during spermatogenesis. It is frequently associated with the mitochondrial inner membrane during the last steps of spermatid differentiation and is involved in the extremely complex structural rearrangements occurring in haploid germ cells during spermiogenesis.
Synonyms:	CLPH Antibody, CLPH, C4orf35, NYD-SP26, Calcium-binding and spermatid-specific protein 1, Testis development protein NYD-SP26
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	C4orf35
Reactivity:	Human, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CLPH antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid synthetic peptide from near the C-terminus of human CLPH.

Purity/Specificity:	Anti-CLPH Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with CLPH from other sources has not been determined.
Relevant Links:	• UniProtKB - Q96KC9 • GeneID - 85438 • NCBI - NP_149113

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-CLPH Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 43 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
IHC:	5 µg/mL
WB:	1 µg/mL

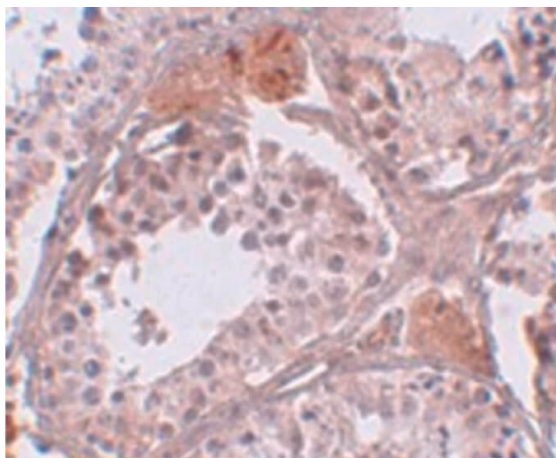
Formulation

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

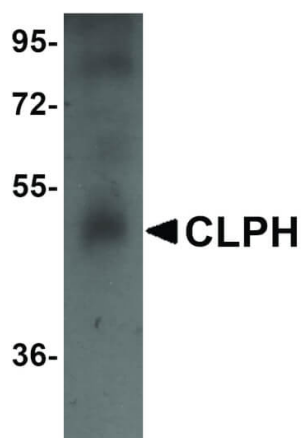
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several 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



Immunohistochemistry

Immunohistochemistry of CLPH antibody. Tissue: Human testis tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: CLPH antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: CLPH is cytoplasmic. Staining: CLPH as precipitated brown signal with purple nuclear counterstain.



Western Blot

Western Blot of CLPH antibody. Lane 1: human testis tissue lysate with CLPH antibody at 1 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: 43 kDa, 43 kDa for CLPH. Other band(s): CLPH splice variants and isoforms.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.