

ACTL7A Antibody (N-term)

Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10469a

Specification

ACTL7A Antibody (N-term) - Product Information

| | |
|-------------------|---|
| Application | WB,E |
| Primary Accession | Q9Y615 |
| Other Accession | Q4R6O3 , NP_006678.1 |
| Reactivity | Human |
| Predicted | Monkey |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit Ig |
| Calculated MW | 48644 |
| Antigen Region | 41-67 |

ACTL7A Antibody (N-term) - Additional Information

Gene ID 10881

Other Names

Actin-like protein 7A, Actin-like-7-alpha, ACTL7A

Target/Specificity

This ACTL7A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 41-67 amino acids from the N-terminal region of human ACTL7A.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

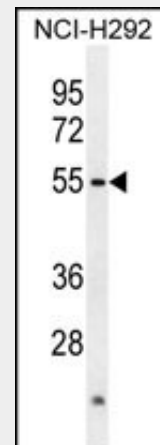
Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ACTL7A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ACTL7A Antibody (N-term) - Protein Information



ACTL7A Antibody (N-term) (Cat. #AP10469a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the ACTL7A antibody detected the ACTL7A protein (arrow).

ACTL7A Antibody (N-term) - Background

ACTL7A is a member of a family of actin-related proteins (ARPs) which share significant amino acid sequence identity to conventional actins. Both actins and ARPs have an actin fold, which is an ATP-binding cleft, as a common feature.

The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. ACTL7A (ACTL7A), and related gene, ACTL7B, are intronless, and are located approximately 4 kb apart in a head-to-head orientation within the familial dysautonomia candidate region on 9q31. Based on mutational analysis of the ACTL7A gene in patients with this disorder, it was concluded that it is unlikely to be involved in the pathogenesis of dysautonomia. The ACTL7A gene is expressed in a wide variety of adult tissues, however, its exact function is not known.

ACTL7A Antibody (N-term) - References

Name ACTL7A

Cellular Location

Cytoplasm, cytoskeleton
{ECO:0000250|UniProtKB:Q9QY84}. Golgi apparatus
{ECO:0000250|UniProtKB:Q9QY84}.
Cytoplasm
{ECO:0000250|UniProtKB:Q9QY84}. Nucleus
{ECO:0000250|UniProtKB:Q9QY84}
Note=Detected at the Golgi apparatus during acrosome biogenesis Detected at the subacrosomal layer in round spermatids. Detected in sperm head and tail.
{ECO:0000250|UniProtKB:Q9QY84}

Tissue Location

Strongly expressed in testis. Also expressed in other tissues.

Aberg, K., et al. Hum. Biol. 80(2):99-123(2008)
Humphray, S.J., et al. Nature 429(6990):369-374(2004)
Garvalov, B.K., et al. J. Cell Biol. 161(1):33-39(2003)
Coutts, A.S., et al. J. Cell. Sci. 116 (PT 5), 897-906 (2003) :
Chadwick, B.P., et al. Genomics 58(3):302-309(1999)

ACTL7A Antibody (N-term) - 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](#)