

## **ACTL7B Antibody (N-term)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP16511a

## **Specification**

## **ACTL7B Antibody (N-term) - Product Information**

**Application** WB,E **Primary Accession** 09Y614 Other Accession NP 006677.1 Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 45234 Antigen Region 69-97

### **ACTL7B Antibody (N-term) - Additional Information**

#### **Gene ID 10880**

#### **Other Names**

Actin-like protein 7B, Actin-like-7-beta, ACTL7B

#### Target/Specificity

This ACTL7B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 69-97 amino acids from the N-terminal region of human ACTL7B.

# **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**

ACTL7B Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## **ACTL7B Antibody (N-term) - Protein Information**

## Name ACTL7B

#### **Cellular Location**

Cytoplasm, cytoskeleton.



#### **Tissue Location**

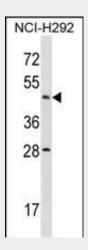
Detected only in the testis and, to a lesser extent, in the prostate.

### **ACTL7B Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## ACTL7B Antibody (N-term) - Images



ACTL7B Antibody (N-term) (Cat. #AP16511a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the ACTL7B antibody detected the ACTL7B protein (arrow).

# ACTL7B Antibody (N-term) - Background

The protein encoded by this gene 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. This gene (ACTL7B), and related gene, ACTL7A, 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 ACTL7B gene in patients with this disorder, it was concluded that it is unlikely to be involved in the pathogenesis of dysautonomia. Unlike ACTL7A, the ACTL7B gene is expressed predominantly in the testis, however, its exact function is not known.

## **ACTL7B Antibody (N-term) - References**





Humphray, S.J., et al. Nature 429(6990):369-374(2004) Hisano, M., et al. Nucleic Acids Res. 31(16):4797-4804(2003) Chadwick, B.P., et al. Genomics 58(3):302-309(1999) Schafer, D.A., et al. Annu. Rev. Cell Dev. Biol. 15, 341-363 (1999) :