

Datasheet for ABIN950263

anti-Actin-Like 7A antibody (N-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	0.4 mL
Target:	Actin-Like 7A (ACTL7A)
Binding Specificity:	AA 48-75, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Actin-Like 7A antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 48-75 amino acids from the N-terminal region of human ACTL7A
Isotype:	Ig Fraction
Specificity:	This antibody reacts to ACTL7A.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	Actin-Like 7A (ACTL7A)
Alternative Name:	ACTL7A (ACTL7A Products)

Target Details

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. Synonyms: Actin-like protein 7A, Actin-like-7-alpha

Gene ID: 10881

NCBI Accession: [NP_006678](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) sodium azide as preservative

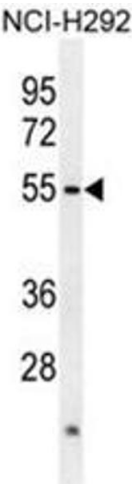
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. ACTL7A Antibody (N-term) western blot analysis in NCI-H292 cell line lysates (35µg/lane). This demonstrates the ACTL7A antibody detected the ACTL7A protein (arrow).