# DNALI1 (h2): 293T Lysate: sc-116188



The Power to Question

## **BACKGROUND**

Dyneins are multisubunit, high molecular weight ATPases that interact with microtubules to generate force by converting the chemical energy of ATP into the mechanical energy of movement. Cytoplasmic or axonemal dynein heavy, intermediate, light and light-intermediate chains are all components of minus end-directed motors; complexes that transport cellular cargo toward the central region of the cell. Axonemal dynein motors contain one to three non-identical heavy chains and cause a sliding of microtubules in the axonemes of cilia and flagella in a mechanism necessary for cilia to beat and propel the cell. DNALI1 (dynein, axonemal, light intermediate chain 1), also known as P28, is a 258 amino acid protein involved in flagellar motility. A member of the inner dynein arm light chain family, DNALI1 is widely expressed with highest expression found in testis, and is considered a potential candidate for immotile cilia syndrome (ICS).

## **REFERENCES**

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#### **CHROMOSOMAL LOCATION**

Genetic locus: DNALI1 (human) mapping to 1p34.3.

## **PRODUCT**

DNALI1 (h2): 293T Lysate represents a lysate of human DNALI1 transfected 293T cells and is provided as 100  $\mu g$  protein in 200  $\mu l$  SDS-PAGE buffer.

## **STORAGE**

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

## **APPLICATIONS**

DNALI1 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive DNALI1 antibodies. Recommended use: 10-20 µl per lane.

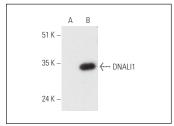
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

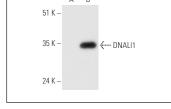
DNALI1 (A-9): sc-514832 is recommended as a positive control antibody for Western Blot analysis of enhanced human DNALI1 expression in DNALI1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

## **RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-lgG $\kappa$  BP-HRP: sc-516102 or m-lgG $\kappa$  BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker<sup>TM</sup> Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

#### **DATA**





DNALI1 (A-9): sc-514832. Western blot analysis of DNALI1 expression in non-transfected: sc-117752 (A) and human DNALI1 transfected: sc-116188 (B) 293T whole cell Ivsates.

DNALI1 (G-12): sc-514831. Western blot analysis of DNALI1 expression in non-transfected: sc-117752 (A) and human DNALI1 transfected: sc-116188 (B) 293T whole cell lysates.

## **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

# **PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.