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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

AI428936 (m): 293T Lysate: sc-126402

BACKGROUND

C19orf46 (chromosome 19 open reading frame 46), also known as Nesprin-4, is a 404 amino acid single-pass type IV membrane protein that belongs to the nesprin family. Its mouse homolog, AI428936, is a 388 amino acid protein mapping to mouse chromosome 7. C19orf46 participates in the establishment of secretory epithelial morphology by inducing kinesin-dependent apical migration of the centrosome and Golgi apparatus as well as basal localization of the nucleus. C19orf46 interacts with UKHC and KCL1, and exists as two alternatively spliced isoforms. C19orf46 contains a KASH domain, which consists of a transmembrane motif, mediates nuclear envelope targeting and binds to the SUN domain of SUN1 and SUN2. C19orf46 is encoded by a gene located on human chromosome 19, which consists of approximately 63 million bases and makes up over 2% of human genomic DNA.

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CHROMOSOMAL LOCATION

Genetic locus: AI428936 (mouse) mapping to 7 B1.

PRODUCT

AI428936 (m): 293T Lysate represents a lysate of mouse AI428936 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

AI428936 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive AI428936 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.

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.

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.