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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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

# IGSF4B (h2): 293T Lysate: sc-173430

## BACKGROUND

Immunoglobulin superfamily member 4B (Cell adhesion molecule 3, Nectin-like protein 1) is a nectin family gene product that contains 2 Ig-like C2-type (immunoglobulin-like) domains and an Ig-like V-type (immunoglobulin-like) domain. IGSF4B is a single-pass type I membrane protein that localizes to cell-cell interacting sites along the plasma membrane. IGSF4B functions as a cell adhesion molecule at cell-cell junctions. IGSF4B can be found as a homodimer and has a dual calcium-independent adhesion function; a homophilic cell-cell interaction and a heterophilic cell-cell interaction involving IGSF4, Nectin 1 and Nectin 3. IGSF4B may also interact with EPB41L1 which has a potential for regulating structure or function of cell-cell junctions. By similarity, Isoform 1 is expressed in adult and fetal brain. Isoform 2 is highly expressed in the cerebellum but is also weakly expressed in placenta. IGSF4B has been found to be markedly over-expressed in glioma cell lines and prostate cancer cell lines.

## REFERENCES

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4. Chen, T., et al. 2008. Role of cell adhesion molecules Necl1 in synaptogenesis in primary cultured rat neurons. *Zhongguo Yi Xue Ke Xue Yuan Xue Bao* 30: 275-279.
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## CHROMOSOMAL LOCATION

Genetic locus: CADM3 (human) mapping to 1q23.2.

## PRODUCT

IGSF4B (h2): 293T Lysate represents a lysate of human IGSF4B transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## APPLICATIONS

IGSF4B (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive IGSF4B 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](http://www.scbt.com) for detailed protocols and support products.