SANTA CRUZ BIOTECHNOLOGY, INC.

FAM163A (h): 293T Lysate: sc-175533

BACKGROUND

FAM163A, also known as C1orf76 or NDSP (neuroblastoma-derived secretory protein), is a 167 amino acid single-pass membrane protein that belongs to the FAM163 family. Due to the high expression in neuroblastoma, FAM163A may be used as a maker for metastasis in bone marrow. The gene encoding FAM163A maps to human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

REFERENCES

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2. Tayebi, N., Callahan, M., Madike, V., Stubblefield, B.K., Orvisky, E., Krasnewich, D., Fillano, J.J. and Sidransky, E. 2001. Gaucher disease and parkinsonism: a phenotypic and genotypic characterization. Mol. Genet. Metab. 73: 313-321.
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4. Vasudevan, S.A., Russell, H.V., Okcu, M.F., Burlingame, S.M., Liu, Z.J., Yang, J. and Nuchtern, J.G. 2007. Neuroblastoma-derived secretory protein messenger RNA levels correlate with high-risk neuroblastoma. J. Pediatr. Surg. 42: 148-152.

CHROMOSOMAL LOCATION

Genetic locus: FAM163A (human) mapping to 1q25.2.

PRODUCT

FAM163A (h): 293T Lysate represents a lysate of human FAM163A transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

FAM163A (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive FAM163A antibodies. Recommended use: 10-20 µl per lane.

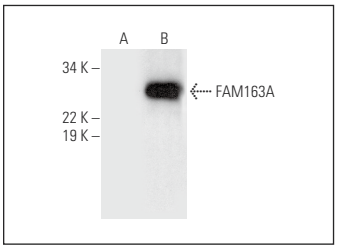
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

FAM163A (B-8): sc-390936 is recommended as a positive control antibody for Western Blot analysis of enhanced human FAM163A expression in FAM163A transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

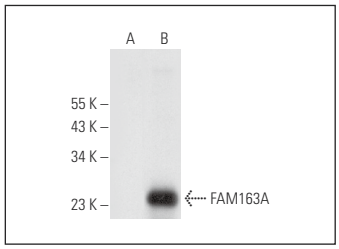
RECOMMENDED SUPPORT REAGENTS

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

DATA



FAM163A (B-8): sc-390936. Western blot analysis of FAM163A expression in non-transfected: sc-117752 (**A**) and human FAM163A transfected: sc-175533 (**B**) 293T whole cell lysates.



FAM163A (G-12): sc-393821. Western blot analysis of FAM163A expression in non-transfected: sc-117752 (**A**) and human FAM163A transfected: sc-175533 (**B**) 293T whole cell lysates.

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.