SANTA CRUZ BIOTECHNOLOGY, INC.

Glycodelin (001-13): sc-59549

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Glycodelin (also designated GD, placental protein 14, PP14, progesterone-associated endometrial protein, progestagen-associated endometrial protein, pregnancy-associated endometrial α-2 globulin, PAEG, or PEG) is a glycoprotein with structural homology to β-lactoglobulins. Glycodelin is synthesized by the secretory endometrium and decidua during embryo implantation and in the first few weeks of pregnancy. Glycodelin is expressed in steroid responsive tissues of the female reproductive tract and in the paranuclear vacuole, characteristically present in lobular breast cancer cells, contains abundant amounts of Glycodelin. Glycodelin expression in breast cancer cells is accompanied by the acquisition of a phenotype of organized glandular epithelium.

REFERENCES

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2. Huhtala, M.L., Seppala, M., Narvanen, A., Palomaki, P., Julkunen, M. and Bohn, H. 1987. Amino acid sequence homology between human placental protein 14 and β-lactoglobulins from various species. Endocrinology 120: 2620-2622.
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CHROMOSOMAL LOCATION

Genetic locus: PAEP (human) mapping to 9q34.3.

SOURCE

Glycodelin (001-13) is a mouse monoclonal antibody raised against full length native Glycodelin of human origin.

PRODUCT

Each vial contains 100 µg IgG_1 in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

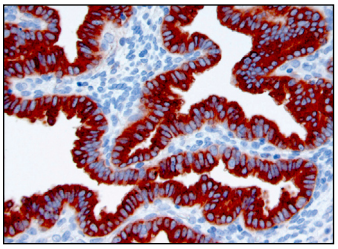
APPLICATIONS

Glycodelin (001-13) is recommended for detection of Glycodelin of human origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Glycodelin siRNA (h): sc-43807, Glycodelin shRNA Plasmid (h): sc-43807-SH and Glycodelin shRNA (h) Lentiviral Particles: sc-43807-V.

Molecular Weight of Glycodelin: 28 kDa.

DATA



Glycodelin (001-13): sc-59549. Immunoperoxidase staining of formalin fixed, paraffin-embedded human endometrium tissue showing cytoplasmic staining of glandular cells.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. 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.