

Glycodelin (BTE 001): sc-57511

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. It is expressed in steroid responsive tissues of the female reproductive tract and in the paranucleolar vacuole, which is characteristically present in lobular breast cancer cells. Glycodelin expression in breast cancer cells is accompanied by the acquisition of a phenotype of organized glandular epithelium.

REFERENCES

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3. Julkunen, M., Seppala, M. and Janne, O.A. 1988. Complete amino acid sequence of human placental protein 14: a progesterone-regulated uterine protein homologous to β -lactoglobulins. *Proc. Natl. Acad. Sci. USA* 85: 8845-8849.
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5. Garde, J., Bell, S.C. and Eperon, I.C. 1991. Multiple forms of mRNA encoding human pregnancy-associated endometrial α -2 globulin, a β -lactoglobulins homologue. *Proc. Natl. Acad. Sci. USA* 88: 2456-2460.
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CHROMOSOMAL LOCATION

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

SOURCE

Glycodelin (BTE 001) is a mouse monoclonal antibody raised against Glycodelin of human origin.

RESEARCH USE

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

PRODUCT

Each vial contains 100 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

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

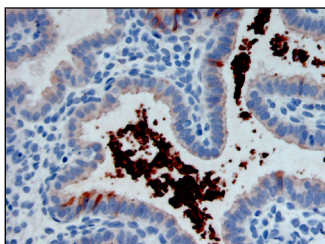
Suitable for use as control antibody for Glycodelin siRNA (h): sc-43807, Glycodelin shRNA Plasmid (h): sc-43807-SH and Glycodelin shRNA (h) Lentiviral Particles: sc-43807-V.

Molecular Weight of Glycodelin: 28 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Immunofluorescence: use goat anti-mouse IgG-FITC: sc-2010 (dilution range: 1:100-1:400) or goat anti-mouse IgG-TR: sc-2781 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



Glycodelin (BTE 001): sc-57511. Immunoperoxidase staining of formalin fixed, paraffin-embedded human endometrium tissue showing cytoplasmic and extracellular 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.

PROTOCOLS

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