# galectin-8 (N-18): sc-30376



The Power to Question

## **BACKGROUND**

Several proteins have been identified as specific markers of prostate cancer, and they may be useful as diagnostic indicators. PSA, prostate specific antigen, is the classical indicator for transformed prostate tissue; however, in addition to being up-regulated in prostate cancer, PSA is also up-regulated in non-malignant conditions, such as benign prostatic hyperplasia prostate. Galectin-8, also known as prostate-specific membrane antigen (PCTA-1), is an additional prostate-specific antigen that is overexpressed only in malignant tumors and therefore is a more specific identifier of malignancies. It is a member of the galectin gene family which mediates bothe cell-cell and cell-matrix interactions in a manner similar to the selectin subgroup of C-type lectins.

## **REFERENCES**

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## CHROMOSOMAL LOCATION

Genetic locus: LGALS8 (human) mapping to 1q43.

## **SOURCE**

galectin-8 (N-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of galectin-8 of human origin.

#### **PRODUCT**

Each vial contains 200  $\mu g$  lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-30376 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

#### **APPLICATIONS**

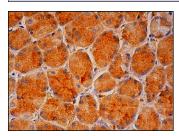
galectin-8 (N-18) is recommended for detection of galectin-8 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution 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 galectin-8 siRNA (h): sc-37429, galectin-8 shRNA Plasmid (h): sc-37429-SH and galectin-8 shRNA (h) Lentiviral Particles: sc-37429-V.

Molecular Weight of galectin-8: 35 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

#### **DATA**



galectin-8 (N-18): sc-30376. Immunoperoxidase staining of formalin fixed, paraffin-embedded human lower stomach tissue showing cytoplasmic staining of glandular sells.

## **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 or our catalog for detailed protocols and support products.



Try **galectin-8 (C-8):** sc-377133, our highly recommended monoclonal aternative to galectin-8 (N-18).

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