



## GOR (N-13): sc-87134

### BACKGROUND

Exonuclease GOR is a 675 amino acid protein belonging to the REXO1/REXO3 family. It has been suggested that the anti-GOR response is closely related to HCV infection and may reflect an HCV-associated autoimmune phenomenon. HCV capsid proteins initiate the autoimmune process in the liver because of cross reaction of antibodies with human Gor protein 19-27, which causes autoimmune chronic hepatitis.

### REFERENCES

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3. Nelson, D.R., David, G.L., Lau, J.Y., Johnson, R.J., Gretch, D., Wilson, R. and Mizokami, M. 1996. Anti-GOR in chronic HCV patients with membranoproliferative glomerulonephritis. *J. Hepatol.* 24: 248.
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5. Koike, R., Iizuka, T., Watanabe, T. and Miyasaka, N. 2001. The GOR gene product cannot cross-react with hepatitis C virus in humans. *Clin. Exp. Immunol.* 129: 429-434.
6. Vasiljevic, N. and Markovic, L. 2005. Gene similarity between hepatitis C virus and human proteins—a blood transfusion problem. *Med. Pregl.* 58: 582-586.
7. Quiroga, J.A., Castillo, I., Bartolomé, J. and Carreño, V. 2007. Serum immunoglobulin G antibodies to the GOR autoepitope are present in patients with occult hepatitis C virus (HCV) infection despite lack of HCV-specific antibodies. *Clin. Vaccine Immunol.* 14: 1302-1306.

### CHROMOSOMAL LOCATION

Genetic locus: REXO1L1 (human) mapping to 8q21.2.

### SOURCE

GOR (N-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of GOR of human origin.

### 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](http://www.scbt.com) or our catalog for detailed protocols and support products.

### PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-87134 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

### APPLICATIONS

GOR (N-13) is recommended for detection of GOR of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (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 GOR siRNA (h): sc-77867, GOR shRNA Plasmid (h): sc-77867-SH and GOR shRNA (h) Lentiviral Particles: sc-77867-V.

### RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

### RESEARCH USE

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