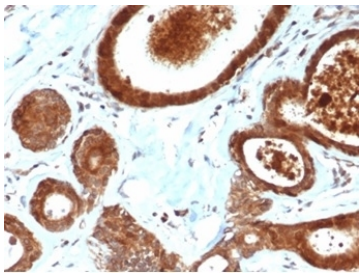
# Leucine-rich alpha-2-glycoprotein Antibody / LRG1 [clone LRG1/4883] (V9606)

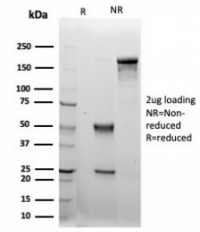
| Catalog No. | Formulation | Size |
|---|---|---|
| V9606-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9606-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V9606SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

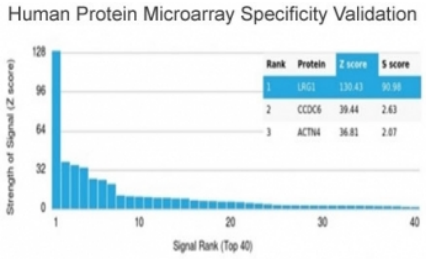
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2c, kappa |
| **Clone Name** | LRG1/4883 |
| **Purity** | Protein A/G affinity |
| **UniProt** | P02750 |
| **Localization** | Secreted |
| **Applications** | Immunohistochemistry (FFPE) : 1-2ug/ml |
| **Limitations** | This Leucine-rich alpha-2-glycoprotein antibody is available for research use only. |



IHC staining of FFPE human breast tissue with Leucine-rich alpha-2-glycoprotein antibody (clone LRG1/4883) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




SDS-PAGE analysis of purified, BSA-free Leucine-rich alpha-2-glycoprotein antibody (clone LRG1/4883) as confirmation of integrity and purity.




Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Leucine-rich alpha-2-glycoprotein antibody (clone LRG1/4883). These results demonstrate the foremost specificity of the LRG1/4883 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

## Description

LRG1 (leucine-rich 2-glycoprotein), also known as LRG, is a 347 amino acid secreted protein that contains 8 LRR (leucine-rich) repeats and one LRRCT domain. The leucine-rich repeat (LRR) family of proteins, including LRG1, have been shown to be involved in protein-protein interaction, signal transduction, cell adhesion and development. Found mainly in plasma, LRG1 is expressed during granulocyte differentiation. The gene that encodes LRG1 consists of nearly 3,000 bases and maps to human chromosome 19p13.3. Chromosome 19 consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin (Ig) superfamily members, including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG families and Fc receptors (FcRs).

## Application Notes

Optimal dilution of the Leucine-rich alpha-2-glycoprotein antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 30-180 was used as the immunogen for the Leucine-rich alpha-2-glycoprotein antibody.

## Storage

Aliquot the Leucine-rich alpha-2-glycoprotein antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com