

# LRG1 (L-12): sc-163030

## BACKGROUND

LRG1 (leucine-rich  $\alpha$ -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).

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: Lrg1 (mouse) mapping to 17 D.

## SOURCE

LRG1 (L-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of LRG1 of mouse origin.

## PRODUCT

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

Blocking peptide available for competition studies, sc-163030 P, (100  $\mu$ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

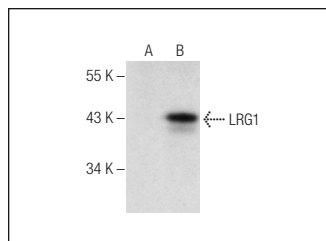
LRG1 (L-12) is recommended for detection of LRG1 of mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2  $\mu$ g per 100-500  $\mu$ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for LRG1 siRNA (m): sc-149038, LRG1 shRNA Plasmid (m): sc-149038-SH and LRG1 shRNA (m) Lentiviral Particles: sc-149038-V.

Molecular Weight of LRG1: 38 kDa.

Positive Controls: LRG1 (m2): 293T Lysate: sc-121396.

## DATA



LRG1 (L-12): sc-163030. Western blot analysis of LRG1 expression in non-transfected: sc-117752 (A) and mouse LRG1 transfected: sc-121396 (B) 293T whole cell lysates.

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

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Try **LRG1 (C-4): sc-390920** or **LRG1 (C-8): sc-390921**, our highly recommended monoclonal alternatives to LRG1 (L-12).