

Rabbit anti-Human LRG1 Polyclonal Antibody | anti-LRG1 antibody

Anti-LRG1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255675	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

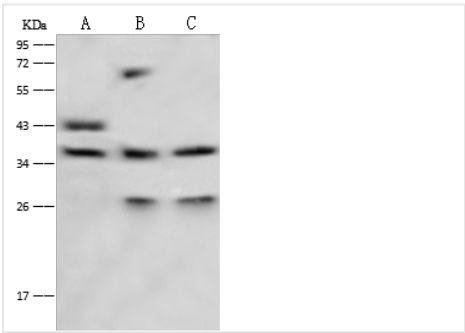
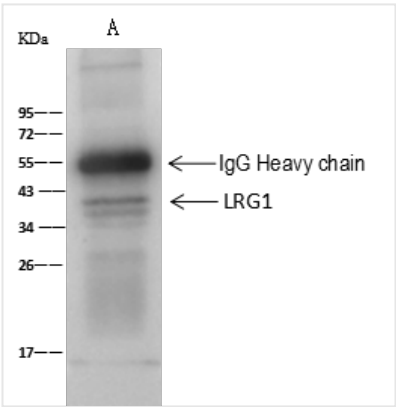
PRODUCT SYNONYMS

LRG1; Polyclonal Antibody; Anti-LRG1 Antibody; Rabbit Polyclonal; LRG1 Antibody; Rabbit PAb; Antigen Affinity Purified; leucine-rich alpha-2-glycoprotein 1; Anti-HMFT1766 Antibody; Anti-LRG Antibody; anti-LRG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human LRG1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-LRG1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human LRG1 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human LRG1 (rh LRG1). LRG1 specific IgG was purified by Human LRG1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)
Anti-LRG1 rabbit polyclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lane B: 293T Whole Cell Lysate Lane C: HL60 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 38 kDa Observed band size: 38 kDa

IP (Immunoprecipitation)
LRG1 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate 2 uL anti-LRG1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-LRG1 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 38 kDa Observed band size: 38 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-LRG1 antibody	LRG1 (Leucine-Rich Alpha-2-Glycoprotein 1) is a Protein Coding gene. LRG1 belongs to the leucine-rich repeat (LRR) family. Members of this family are involved in protein-protein interaction, signal transduction, and cell adhesion and development. LRG1 is expressed during granulocyte differentiation. It contains 4 LIM zinc-binding domains and 1 Rho-GAP domain. LRG1 is involved in promoting neovascularization (new blood vessel growth) by causing a switch in transforming growth factor-beta (TGFbeta) signaling in endothelial cells. LRG1 binds to the accessory receptor endoglin and promotes signaling via the ALK1-Smad1/5/8 pathway. It may be a potential therapeutic target for the treatment of diseases where there is aberrant neovascularization. Diseases associated with LRG1 include Appendicitis and Normal Pressure Hydrocephalus.
Product Categories/Family for anti-LRG1 antibody	Cardiac Stem Cell Markers
References	O Donnell LC. et al., 2002, J Leukoc Biol. 72 (3): 478-85. Li X. et al., 2007, Neurosci Lett. 413 (2): 141-4. Ramachandran P. et al., 2006, J Proteome Res. 5 (6): 1493-503.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21707947
NCBI GeneID	116844
Molecular Weight	38,178 Da
NCBI Official Full Name	Leucine-rich alpha-2-glycoprotein 1
NCBI Official Synonym Full Names	leucine rich alpha-2-glycoprotein 1
NCBI Official Symbol	LRG1
NCBI Official Synonym Symbols	LRG; HMFT1766
NCBI Protein Information	leucine-rich alpha-2-glycoprotein

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.