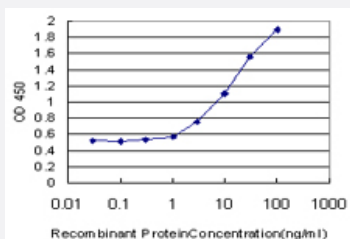


LRG1 monoclonal antibody (M01), clone 2E3

Catalog # H00116844-M01

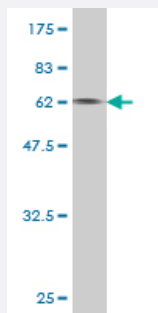
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LRG1 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (59.95 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant LRG1.

Immunogen

LRG1 (AAH34389, 37 a.a. ~ 347 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

TLSPKDCQVFRPDHGSSISCQPPAEIPGYLPADTVHLAVEFFNLTHLPANLLQGASKLQELHLSSN
GLESLSPEFLRPVPQLRVLDLTRNALTGLPSGLFQASATLDTLVLENQLEVLEVSWLHGLKALG
HLDLSGNRLRKLPPGLLANFTLLRTLDLGENQLETLPDLLRGPLQLERLHLEGNKLVGLKDLLL
PQPDRLRYFLNGNKLARVAAGAFQGLRQLDMLDLSNNSLASVPEGLWASLGQPNWDMRDGFDI
SGNPWICDQNLSDLYRWLQAQRDKMFSQNDTRCAGPEAVKGQTLAVAKSQ

Host

Mouse

Reactivity	Human
Interspecies Antigen Sequence	Mouse (66); Rat (64)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (59.95 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LRG1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — LRG1

Entrez GeneID	116844
GeneBank Accession#	BC034389
Protein Accession#	AAH34389
Gene Name	LRG1
Gene Alias	HMFT1766, LRG
Gene Description	leucine-rich alpha-2-glycoprotein 1
Omim ID	611289
Gene Ontology	Hyperlink

Gene Summary

The leucine-rich repeat (LRR) family of proteins, including LRG1, have been shown to be involved in protein-protein interaction, signal transduction, and cell adhesion and development. LRG1 is expressed during granulocyte differentiation (O'Donnell et al., 2002 [PubMed 12223515]).[supplied by OMIM]

Other Designations

1300008B03Rik|2310031E04Rik|leucine rich alpha 2 glycoprotein

Publication Reference

- [Intracellular leucine-rich alpha-2-glycoprotein-1 competes with Apaf-1 for binding cytochrome c in protecting MCF-7 breast cancer cells from apoptosis.](#)

Ronald Jemmerson, Katherine Staskus, LeeAnn Higgins, Kathleen Conklin, Ameeta Kelekar.

Apoptosis 2021 Feb; 26(1-2):71.

Application: WB-Ce, WB-Tr, Human, HMECs, Human serum, MCF-7, MDA-MB-231, MDA-MB-435, T-47D cells

- [Type 1 Diabetes: Urinary Proteomics and Protein Network Analysis Support Perturbation of Lysosomal Function.](#)

Singh H, Yu Y, Suh MJ, Torralba MG, Stenzel RD, Tovchigrechko A, Thovarai V, Harkins DM, Rajagopala SV, Osborne W, Cogen FR, Kaplowitz PB, Nelson KE, Madupu R, Pieper R.

Theranostics 2017 Jul; 7(10):2704.

Application: WB-Re, Recombinant protein

- [Leucine Rich \$\alpha\$ -2 Glycoprotein: A Novel Neutrophil Granule Protein and Modulator of Myelopoiesis.](#)

Druhan LJ, Lance A, Li S, Price AE, Emerson JT, Baxter SA, Gerber JM, Avalos BR.

PLoS One 2017 Jan; 12(1):e0170261.

Application: IF, WB, Human, HL-60 cells, Neutrophils from the peripheral blood of healthy donors

- [Proteomic profiling for the identification of serum diagnostic biomarkers for abdominal and thoracic aortic aneurysms.](#)

Satoh K, Maniwa T, Oda T, Matsumoto K.

Proteome Science 2013 Jun; 11(1):27.

Application: WB, Human, Human serum

- [MiRNA-335 suppresses neuroblastoma cell invasiveness by direct targeting of multiple genes from the non-canonical TGF- \$\beta\$ signalling pathway.](#)

Lynch J, Fay J, Meehan M, Bryan K, Watters KM, Murphy DM, Stallings RL.

Carcinogenesis 2012 May; 33(5):976.

Application: WB-Tr, Human, CHP-212 cells