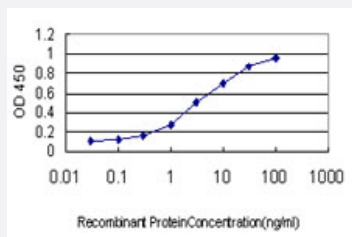


LLGL1 monoclonal antibody (M01), clone 5G2

Catalog # H00003996-M01

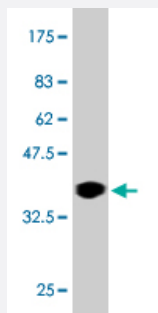
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LLGL1 is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant LLGL1.
Immunogen	LLGL1 (NP_004131, 911 a.a. ~ 1010 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GIASCVFTRHGQGIFYLISPSEFERFSLSARNITEPLCSLDINWPRDATQASYRIRESPKLSQANGTP SILLAPQSLDGSPDPAHSMGPDTPPEPPEAALSP
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (80)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 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 LLGL1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — LLGL1

Entrez GeneID	3996
GeneBank Accession#	NM_004140
Protein Accession#	NP_004131
Gene Name	LLGL1
Gene Alias	DLG4, HUGL, HUGL-1, HUGL1, LLGL
Gene Description	lethal giant larvae homolog 1 (Drosophila)
Omim ID	600966
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a protein that is similar to a tumor suppressor in *Drosophila*. The protein is part of a cytoskeletal network and is associated with nonmuscle myosin II heavy chain and a kinase that specifically phosphorylates this protein at serine residues. The gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq]

Other Designations

lethal giant larvae homolog 1

Publication Reference

- [Loss of LLGL1 Expression Correlates with Diffuse Gastric Cancer and Distant Peritoneal Metastases.](#)

Desuki A, Staib F, Gockel I, Moehler M, Lang H, Biesterfeld S, Maderer A, Galle PR, Berger MR, Schimanski CC.

Canadian Journal of Gastroenterology & Hepatology 2019 Apr; 2019:2920493.

Application: IHC-P, WB, Human, Human gastric cancer, Human gastric mucosa, SNU16 cells

- [miR-9a mediates the role of Lethal giant larvae as an epithelial growth inhibitor in *Drosophila*.](#)

Daniel SG, Russ AD, Guthridge KM, Raina AI, Estes PS, Parsons LM, Richardson HE, Schroeder JA, Zarnescu DC.

Biology Open 2018 Jan; 7(1): bio027391.

Application: WB-Tr, Human, MCF10A cells

- [Hugl1 and Hugl2 in mammary epithelial cells: polarity, proliferation, and differentiation.](#)

Russ A, Louderbough JM, Zarnescu D, Schroeder JA.

PLoS One 2012 Oct; 7(10):e47734.

Application: IF, IHC-P, WB-Tr, Human, Breast ductal epithelium, Mammary tissues, HMECs, MCF10A, MDA-MB-453 cells

Pathway

- [Tight junction](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)