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FGL2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant FGL2.
Catalog # AT2042a

Specification

FGL2 Antibody (monoclonal) (M01) - Product Information

Application	**IP, WB, IHC, E**
Primary Accession	Q14314
Other Accession	NM_006682
Reactivity	**Human, Mouse, Rat**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**50229**

FGL2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 10875

Other Names
Fibroleukin, Fibrinogen-like protein 2, pT49, FGL2

Target/Specificity
FGL2 (NP_006673, 24 a.a. ~ 123 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
FGL2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

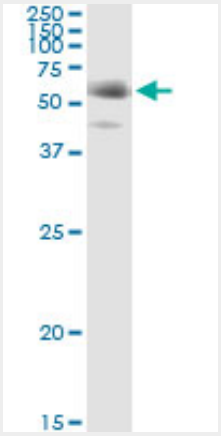
FGL2 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

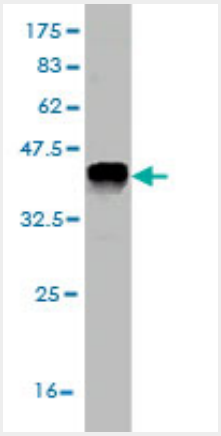
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

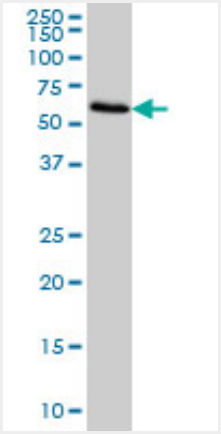
FGL2 Antibody (monoclonal) (M01) - Images



Immunoprecipitation of FGL2 transfected lysate using anti-FGL2 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with FGL2 MaxPab rabbit polyclonal antibody.



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



FGL2 monoclonal antibody (M01), clone 6D9 Western Blot analysis of FGL2 expression in HeLa (

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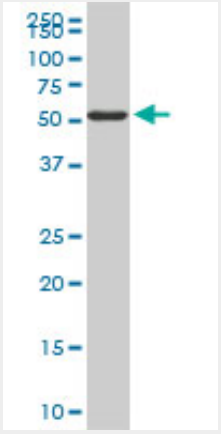
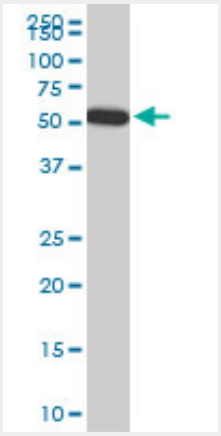
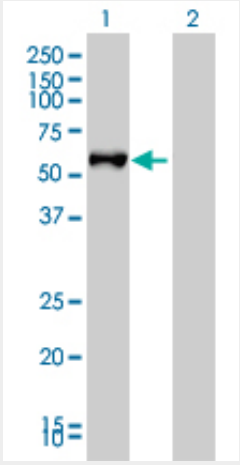


FGL2 monoclonal antibody (M01), clone 6D9. Western Blot analysis of FGL2 expression in PC-12 ((Cat # AT2042a)

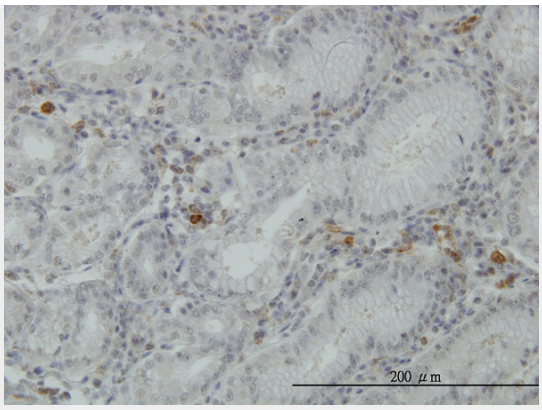


FGL2 monoclonal antibody (M01), clone 6D9. Western Blot analysis of FGL2 expression in Raw 264.7 ((Cat # AT2042a)

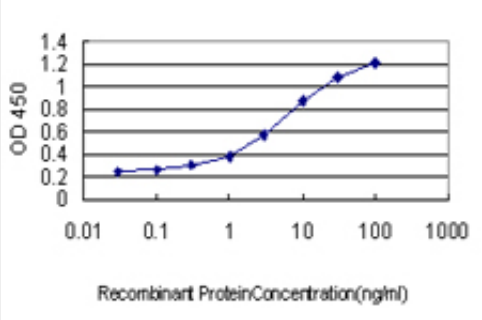


Western Blot analysis of FGL2 expression in transfected 293T cell line by FGL2 monoclonal antibody (M01), clone 6D9.

Lane 1: FGL2 transfected lysate(50 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to FGL2 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 0.5 ug/ml]



Detection limit for recombinant GST tagged FGL2 is approximately 0.1ng/ml as a capture antibody.

FGL2 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a secreted protein that is similar to the beta- and gamma-chains of fibrinogen. The carboxyl-terminus of the encoded protein consists of the fibrinogen-related domains (FRED). The encoded protein forms a tetrameric complex which is stabilized by interchain disulfide bonds. This protein may play a role in physiologic functions at mucosal sites.

FGL2 Antibody (monoclonal) (M01) - References

1.Novel Antibody against a Glutamic Acid-Rich Human Fibrinogen-Like Protein 2-Derived Peptide near Ser91 Inhibits hfgl2 Prothrombinase Activity.Li WZ, Wang J, Long R, Su GH, Bukhory DK, Dai J, Jin N, Huang SY, Jia P, Li T, Fan C, Liu K, Wang ZPLoS One. 2014 Apr 11;9(4):e94551. doi: 10.1371/journal.pone.0094551. eCollection 2014.2.Intestinal and peripheral fibrinogen-like protein 2 expression in inflammatory bowel disease.Dong X, Ye X, Chen X, Chen T, Xie S, Li Q, Lin X, Huang ZDig Dis Sci. 2014 Apr;59(4):769-77. doi: 10.1007/s10620-013-2962-9. Epub 2013 Nov 28.3.Combined Adenovirus-Mediated Artificial microRNAs Targeting mfgl2, mFas, and mTNFR1 Protect against Fulminant Hepatic Failure in Mice.Xi D, Wang M, Ye H, Luo X, Ning QPLoS One. 2013 Nov 26;8(11):e82330. doi: 10.1371/journal.pone.0082330.4.Correlation of fibrinogen?like protein 2 with disease progression in patients with severe acute pancreatitis.Ye X, Huai J, Chen R, Ding J, Chen Y, Cai Z.Exp Ther Med. 2014 Jan;7(1):85-89.5.FGL2/Fibroleukin Mediates Hepatic Reperfusion Injury by Induction of Sinusoidal Endothelial Cell and Hepatocyte Apoptosis in Mice.Selzner N, Liu H, Boehnert MU, Adeyi OA, Shalev I, Bartczak AM, Xue-Zhong M, Manuel J, Rotstein OD, McGilvray ID, Grant DR, Phillips MJ, Levy GA, Selzner M.J Hepatol. 2011 Jul 11. [Epub ahead of print]6.The FGL2/fibroleukin prothrombinase is involved in alveolar macrophage activation in COPD through the MAPK pathway.Liu Y, Xu S, Xiao F, Xiong Y, Wang X, Gao S, Yan W, Ning Q.Biochem Biophys Res Commun. 2010 May 7. [Epub ahead of print]7.Targeted Deletion of fgl2 Leads to Impaired

Regulatory T Cell Activity and Development of Autoimmune Glomerulonephritis1.Shalev I, Liu H, Koscik C, Bartczak A, Javadi M, Wong KM, Maknojia A, He W, Liu MF, Diao J, Winter E, Manuel J, McCarthy D, Cattral M, Gommerman J, Clark DA, Phillips MJ, Gorczynski RR, Zhang L, Downey G, Grant D, Cybulsky MI, Levy G.J Immunol. 2008 Jan 1;180(1):249-60.8.Expression of Prothrombin and Protease Activated Receptors in Human Myometrium During Pregnancy and Labor.O'brien M, Morrison JJ, Smith TJ.Biol Reprod. 2008 Jan;78(1):20-6. Epub 2007 Sep 26.