

Product datasheet for **CF502890**

Monoacylglycerol Lipase (MGLL) Mouse Monoclonal Antibody [Clone ID: OTI2G8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2G8
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MGLL (NP_009214) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	34.1 kDa
Gene Name:	monoglyceride lipase



Database Link: [NP_009214](#)
[Entrez Gene 11343 Human](#)
[Q99685](#)

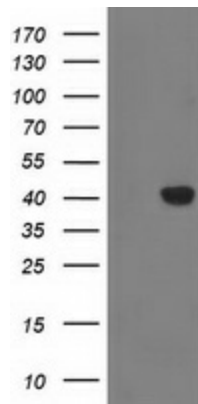
Background: Monoglyceride lipase (MGLL; EC 3.1.1.23) functions together with hormone-sensitive lipase (LIPE; MIM 151750) to hydrolyze intracellular triglyceride stores in adipocytes and other cells to fatty acids and glycerol. MGLL may also complement lipoprotein lipase (LPL; MIM 238600) in completing hydrolysis of monoglycerides resulting from degradation of lipoprotein triglycerides (Karlisson et al., 2001 [PubMed 11470505]). [supplied by OMIM]

Synonyms: HU-K5; HUK5; MAGL; MGL

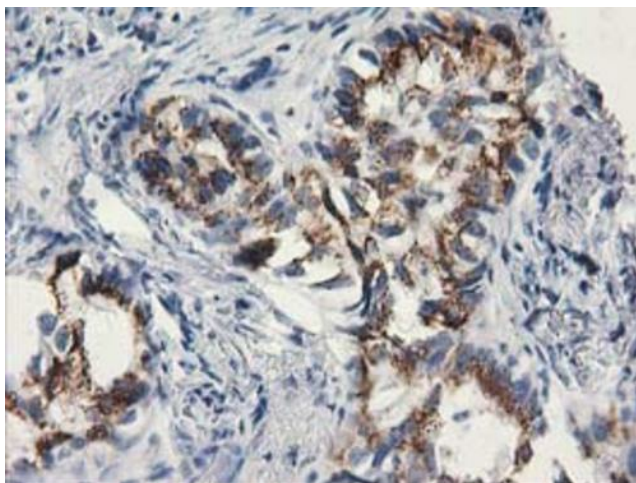
Protein Families: Druggable Genome, Protease

Protein Pathways: Glycerolipid metabolism, Metabolic pathways

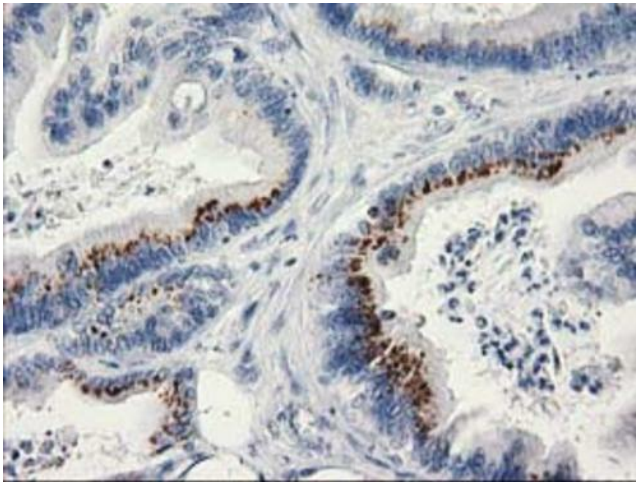
Product images:



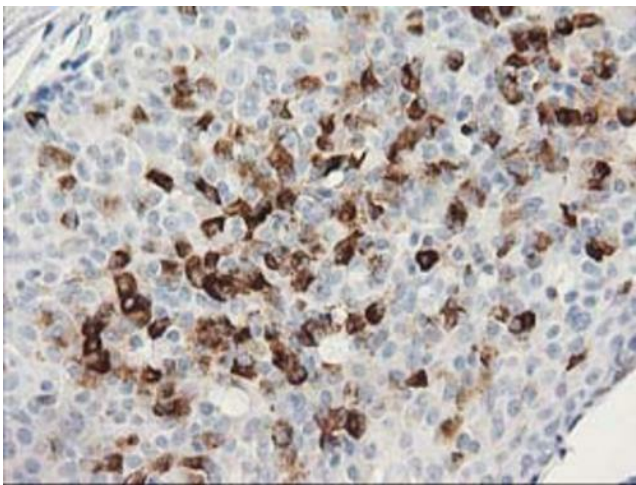
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MGLL ([RC218358], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MGLL. Positive lysates [LY402124] (100ug) and [LC402124] (20ug) can be purchased separately from OriGene.



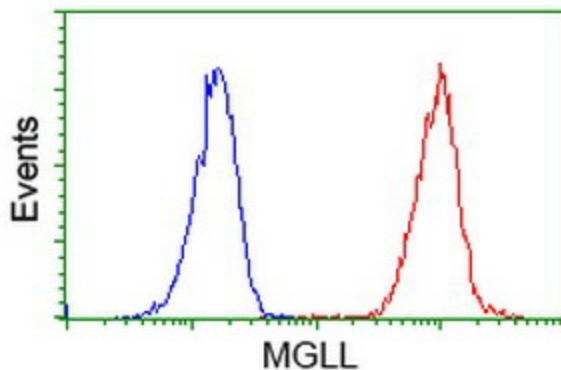
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-MGLL mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



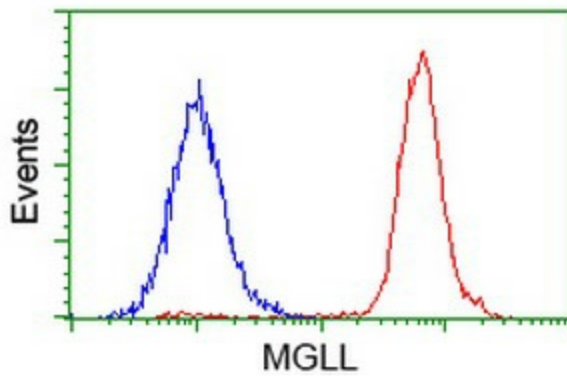
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-MGLL mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



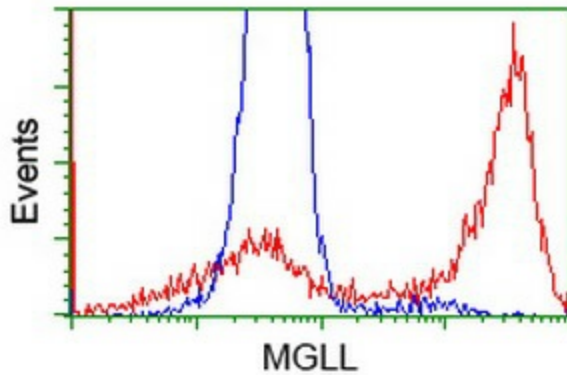
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-MGLL mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



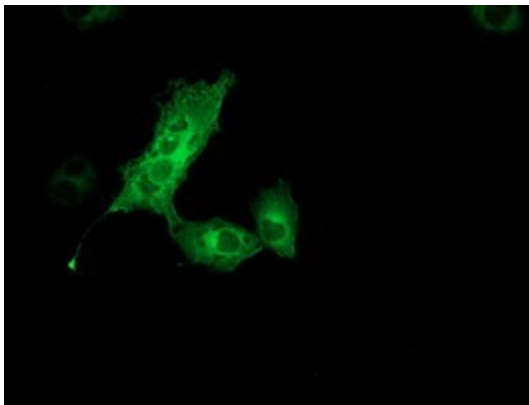
Flow cytometric Analysis of Jurkat cells, using anti-MGLL antibody ([TA502890]), (Red), compared to a nonspecific negative control antibody, (Blue).



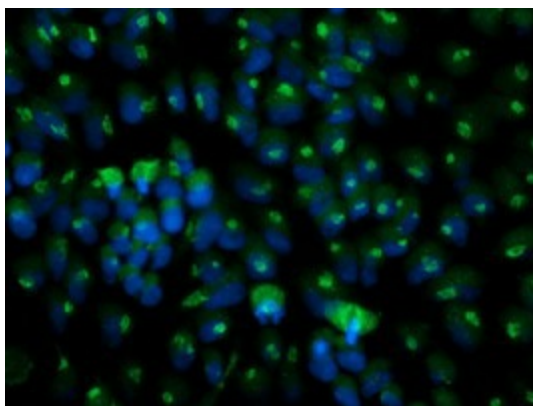
Flow cytometric Analysis of HeLa cells, using anti-MGLL antibody ([TA502890]), (Red), compared to a nonspecific negative control antibody, (Blue).



HEK293T cells transfected with either [RC218358] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MGLL antibody ([TA502890]), and then analyzed by flow cytometry.



Anti-MGLL mouse monoclonal antibody ([TA502890]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MGLL ([RC218358]).



Immunofluorescent staining of HeLa cells using anti-MGLL mouse monoclonal antibody ([TA502890]).