

Product datasheet for **TA502932**

Monoacylglycerol Lipase (MGLL) Mouse Monoclonal Antibody [Clone ID: OTI1H1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1H1
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:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.95 mg/ml
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:	This gene encodes a serine hydrolase of the AB hydrolase superfamily that catalyzes the conversion of monoacylglycerides to free fatty acids and glycerol. The encoded protein plays a critical role in several physiological processes including pain and nociception through hydrolysis of the endocannabinoid 2-arachidonoylglycerol. Expression of this gene may play a role in cancer tumorigenesis and metastasis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]



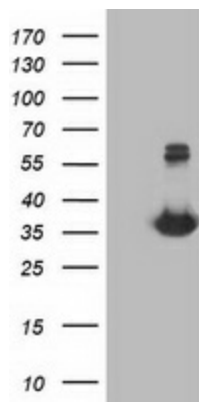
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Synonyms: HU-K5; HUK5; MAGL; MGL

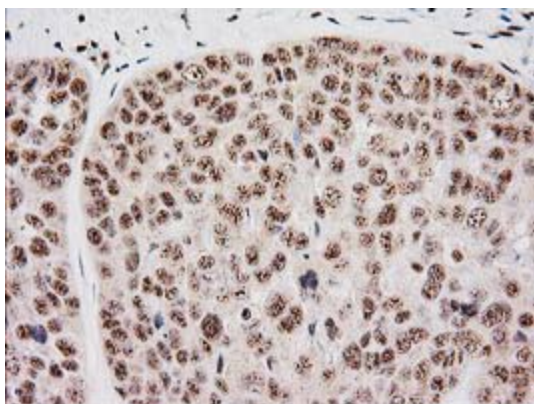
Protein Families: Druggable Genome, Protease

Protein Pathways: Glycerolipid metabolism, Metabolic pathways

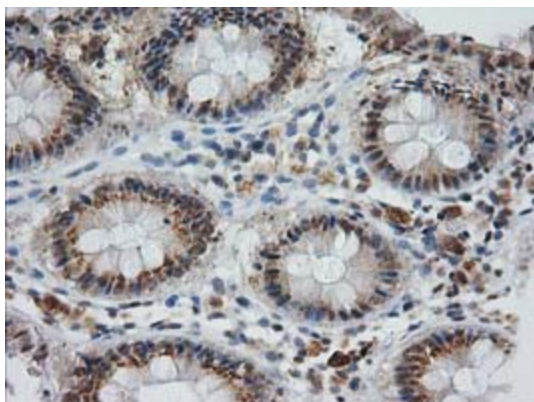
Product images:



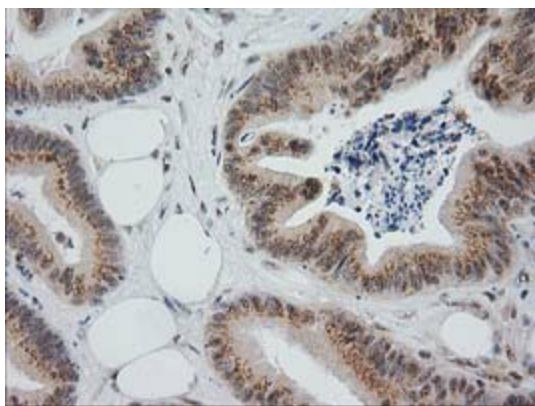
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MGLL (Cat# [RC218358], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MGLL(Cat# TA502932). Positive lysates [LY402124] (100ug) and [LC402124] (20ug) can be purchased separately from OriGene.



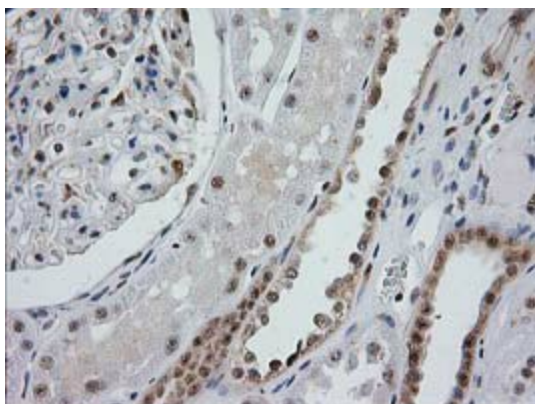
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



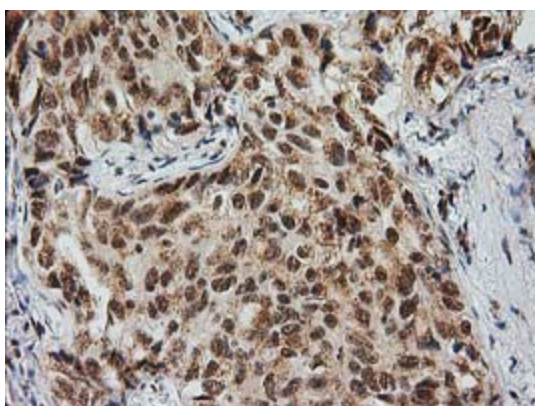
Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



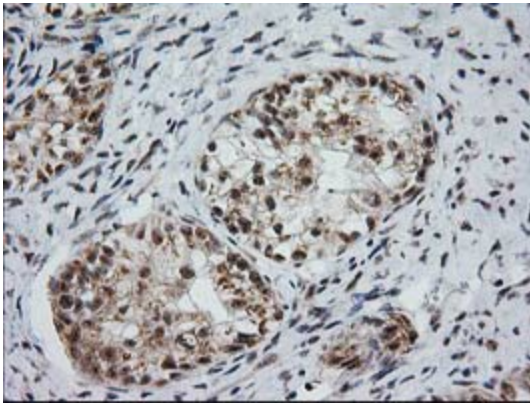
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



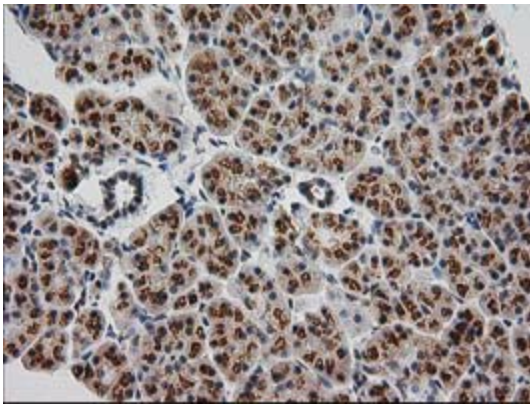
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



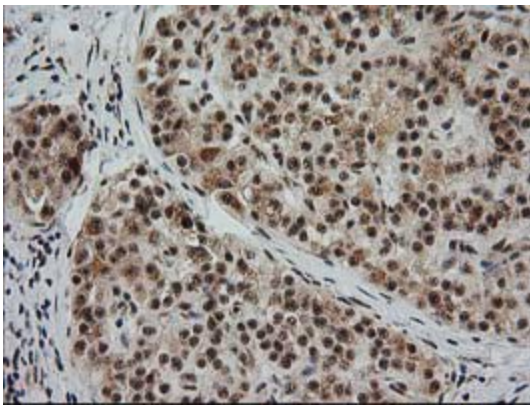
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



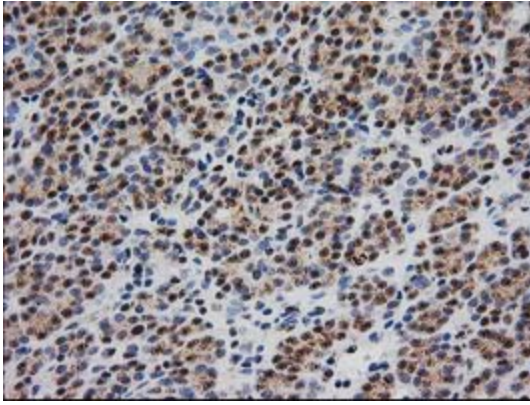
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



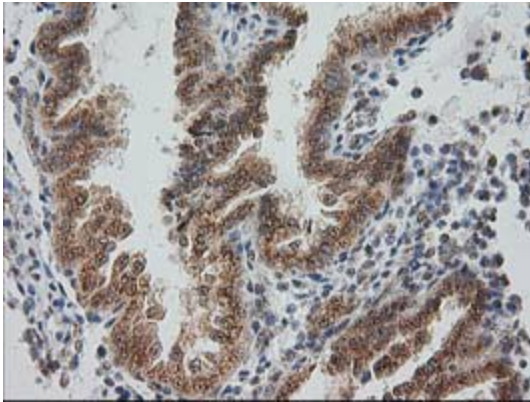
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



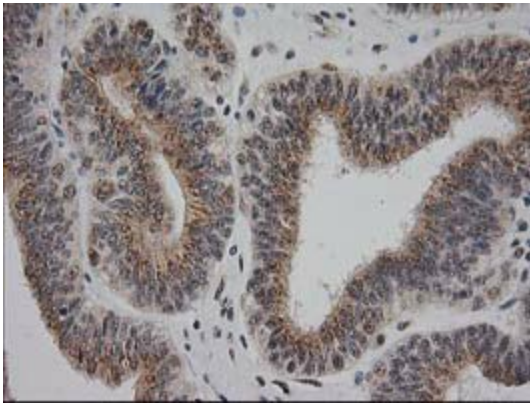
Immunohistochemical staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



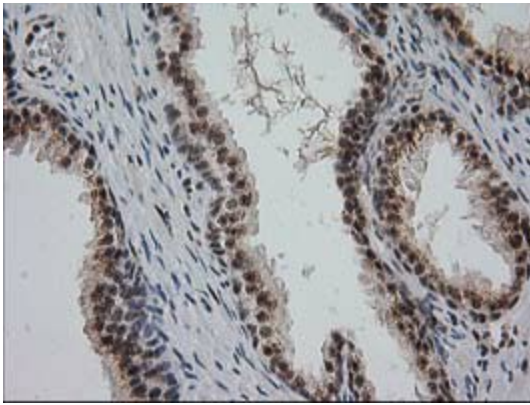
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



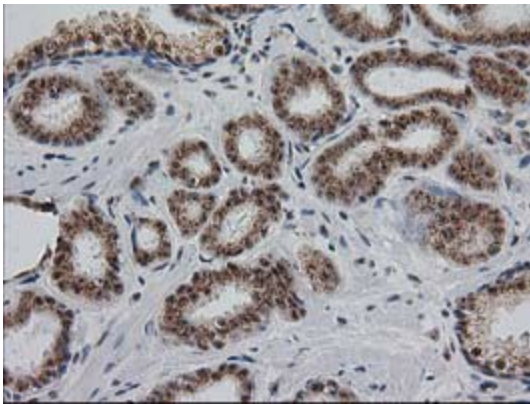
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



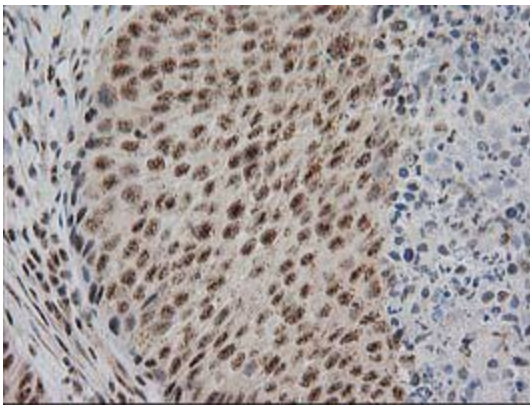
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



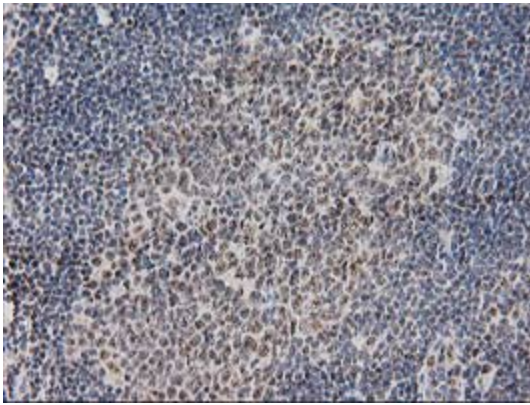
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



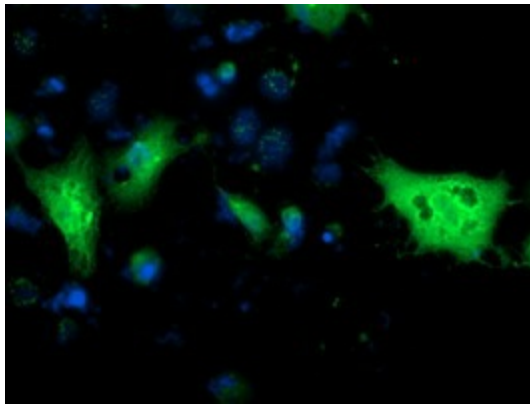
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



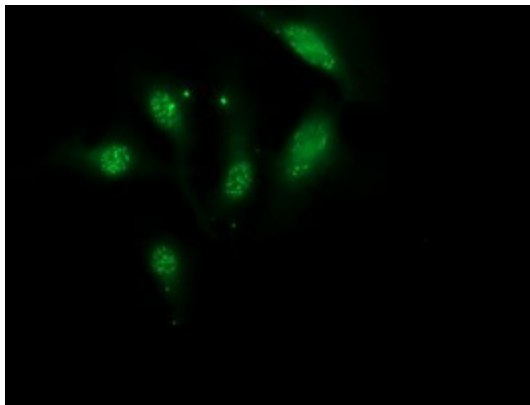
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



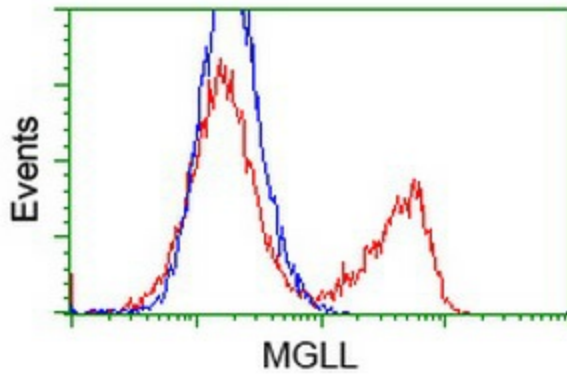
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-MGLL mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA502932)



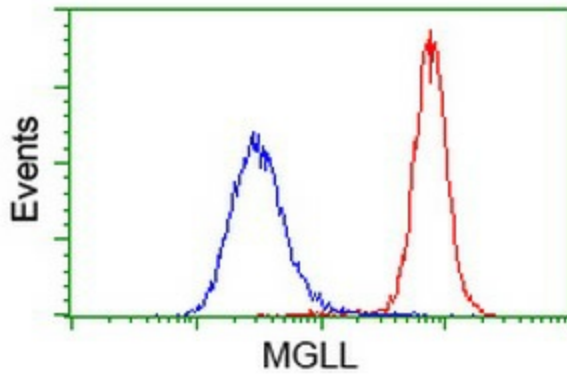
Anti-MGLL mouse monoclonal antibody (TA502932) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MGLL ([RC218358]).



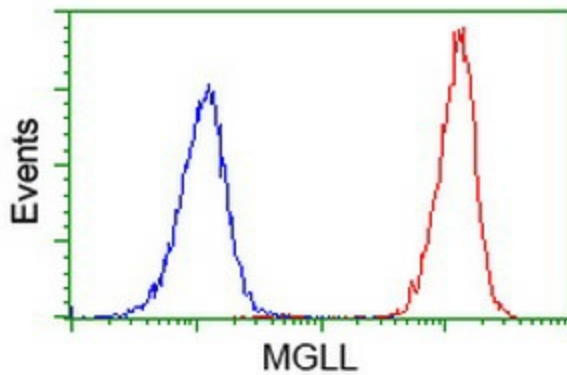
Immunofluorescent staining of HeLa cells using anti-MGLL mouse monoclonal antibody (TA502932).



HEK293T cells transfected with either [RC218358] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MGLL antibody (TA502932), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-MGLL antibody (TA502932), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-MGLL antibody (TA502932), (Red), compared to a nonspecific negative control antibody, (Blue).