

Product datasheet for **CF501018**

LIPG Mouse Monoclonal Antibody [Clone ID: OTI6E11]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI6E11 |
| Applications: | FC, IF, IHC, IP, WB |
| Recommended Dilution: | WB 1:2000, IHC 1:50, IF 1:100, FLOW 1:100, IP 2ug/500ul |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human LIPG (NP_006024) 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) |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 54.6 kDa |
| Gene Name: | Homo sapiens lipase G, endothelial type (LIPG), transcript variant 1, mRNA. |
| Database Link: | NP_006024 Entrez Gene 9388 Human |
| Background: | The protein encoded by this gene has substantial phospholipase activity and may be involved in lipoprotein metabolism and vascular biology. This protein is designated a member of the TG lipase family by its sequence and characteristic lid region which provides substrate specificity for enzymes of the TG lipase family. [provided by RefSeq] |
| Synonyms: | EDL; EL; PRO719 |

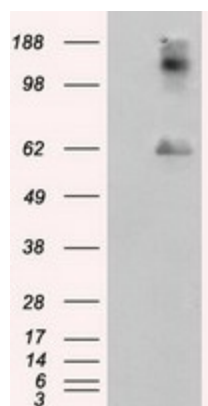


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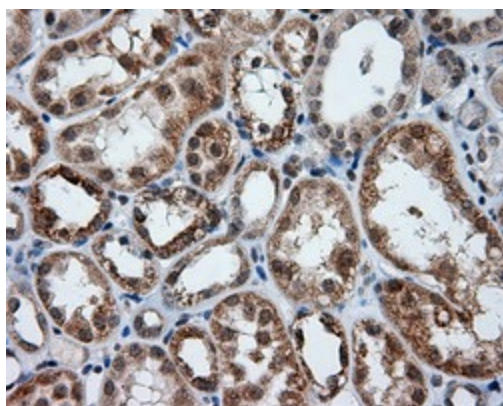
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Glycerolipid metabolism, Metabolic pathways

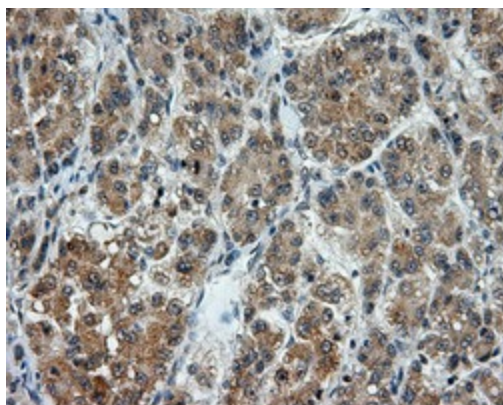
Product images:



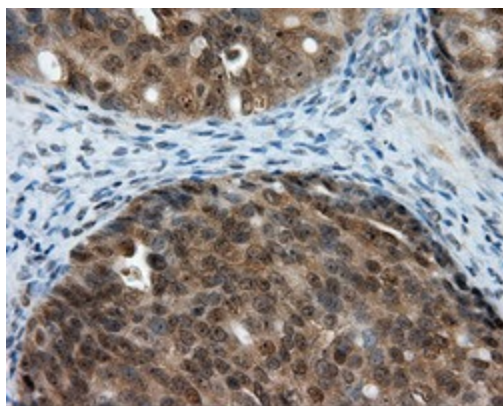
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY LIPG (RC209248), Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-LIPG. Positive lysates [LY401821] (100ug) and [LC401821] (20ug) can be purchased separately from OriGene.



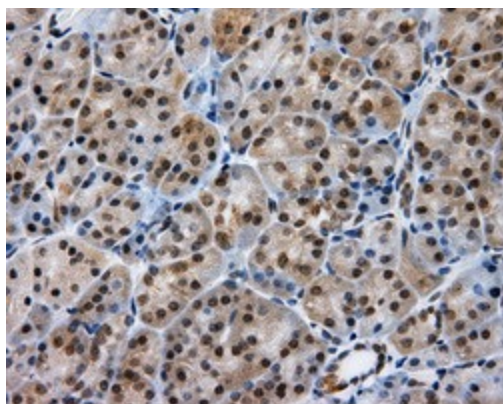
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-LIPG mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501018])



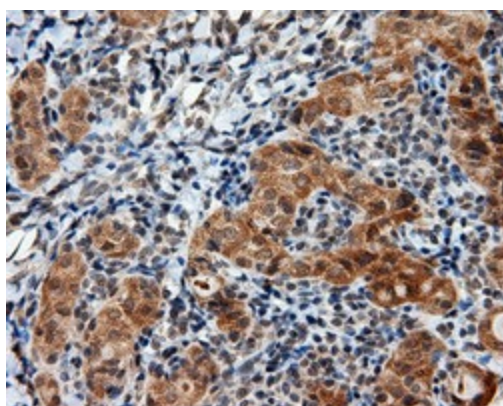
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-LIPG mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501018])



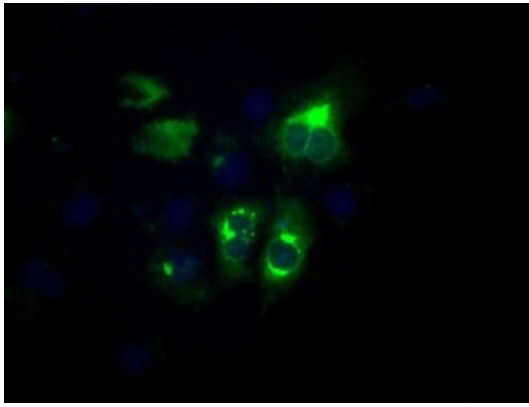
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-LIPG mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501018])



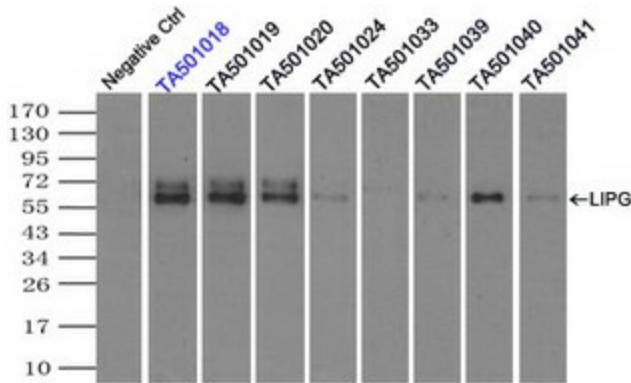
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-LIPG mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501018])



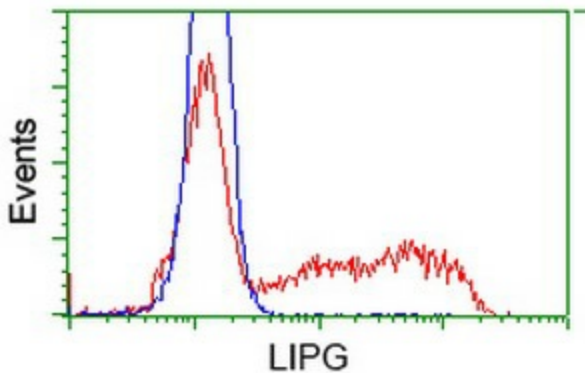
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-LIPG mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501018])



Anti-LIPG mouse monoclonal antibody ([TA501018]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY LIPG ([RC209248]).



Immunoprecipitation (IP) of LIPG by using TrueMab monoclonal anti-LIPG antibodies (Negative control: IP without adding anti-LIPG antibody.). For each experiment, 500ul of DDK tagged LIPG overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-LIPG antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immunoprecipitated products were analyzed with rabbit anti-DDK polyclonal antibody.



HEK293T cells transfected with either [RC209248] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-LIPG antibody ([TA501018]), and then analyzed by flow cytometry.