

## Product datasheet for **TA501047BM**

### LIPG Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI4A8]

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI4A8   |
| Applications:           | FC, IF, IHC, IP, WB  |
| Recommended Dilution:   | WB 1:1000, 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:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol.  |
| Concentration:          | 0.5 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:            | HRP  |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 54.6 kDa   |
| Gene Name:              | lipase G, endothelial type   |
| Database Link:          | <a href="#">NP_006024</a><br><a href="#">Entrez Gene 9388 Human</a><br><a href="#">Q9Y5X9</a>  |
| 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  |

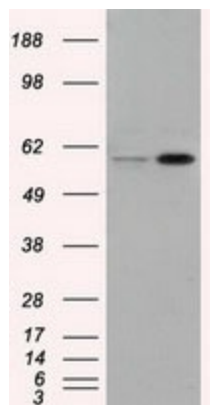


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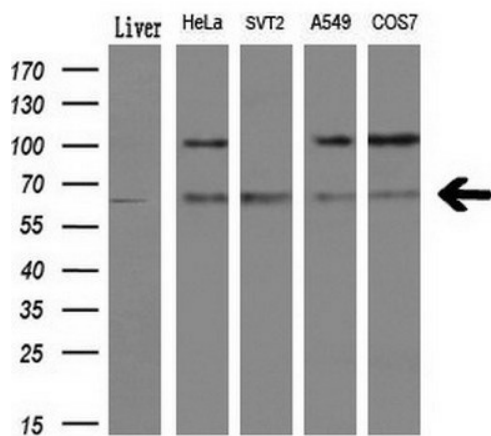
**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Glycerolipid metabolism, Metabolic pathways

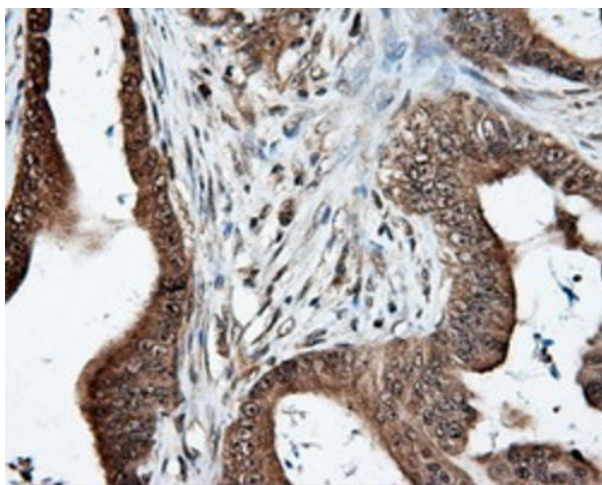
**Product images:**



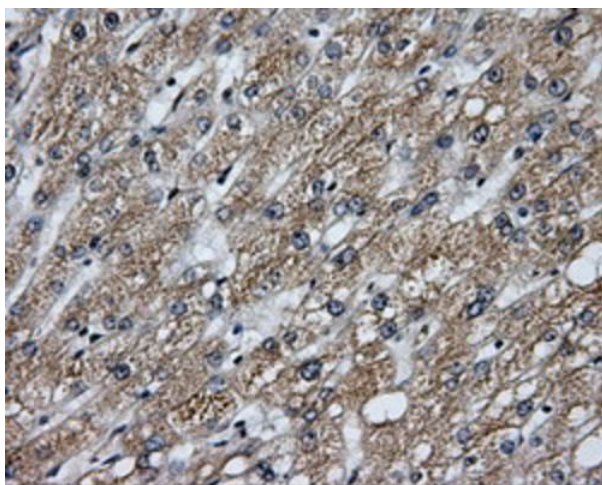
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY LIPG (Cat# [RC209248], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-LIPG (Cat# [TA501047]). Positive lysates [LY401821] (100ug) and [LC401821] (20ug) can be purchased separately from OriGene.



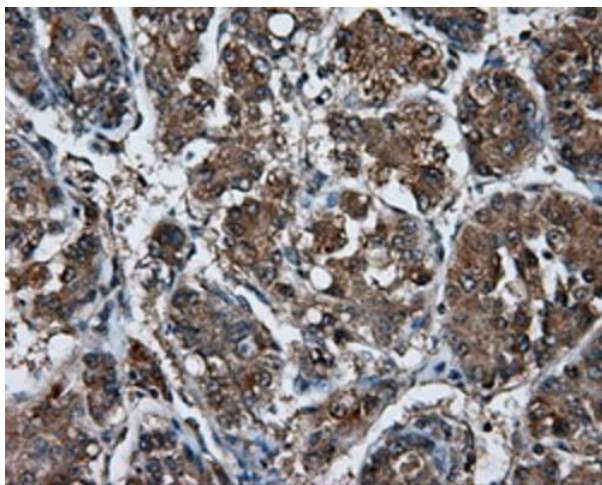
Western blot analysis of extracts (10ug) from 4 different cell lines and 1 human tissue by using anti-LIPG monoclonal antibody at 1:200 dilution.



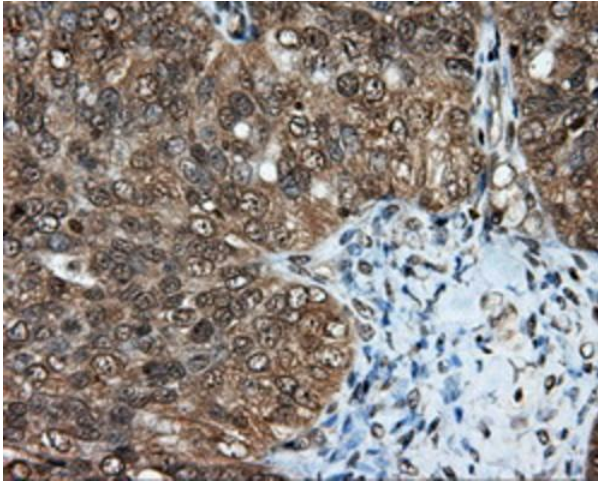
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-LIPG mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



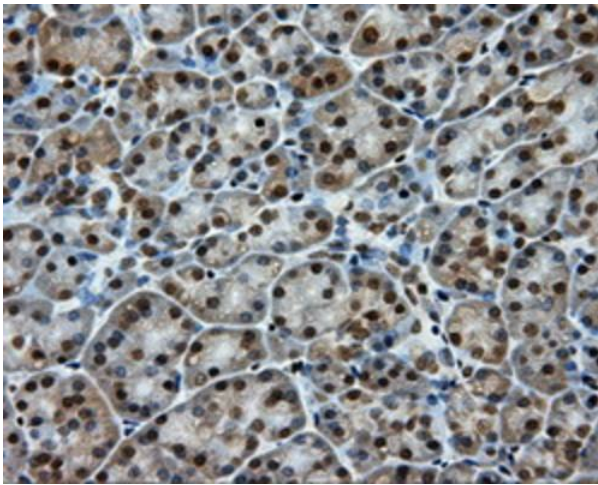
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-LIPG mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



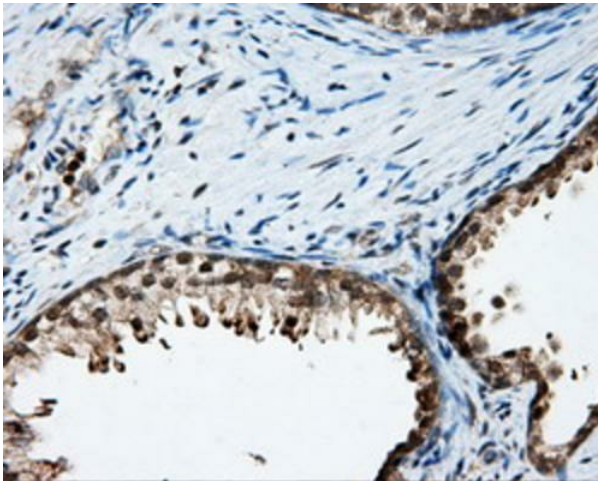
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-LIPG mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



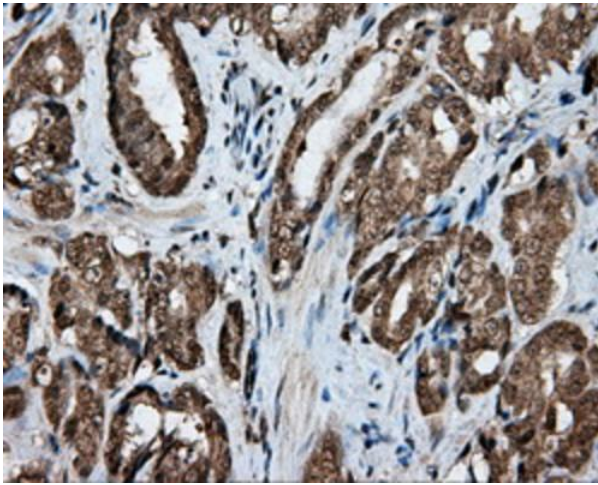
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-LIPG mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



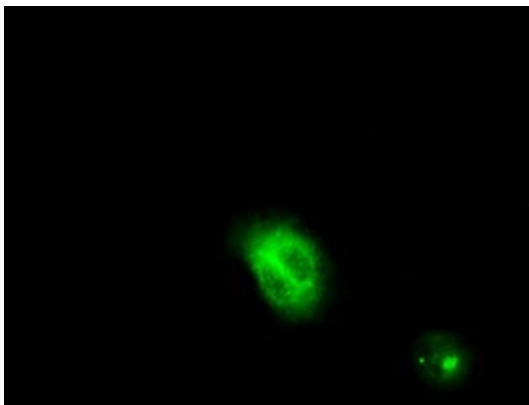
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-LIPG mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



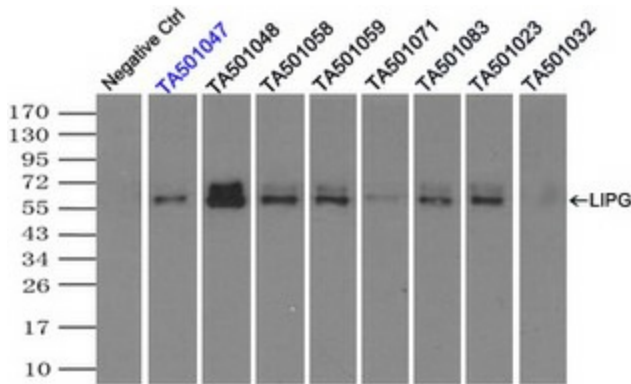
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-LIPG mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



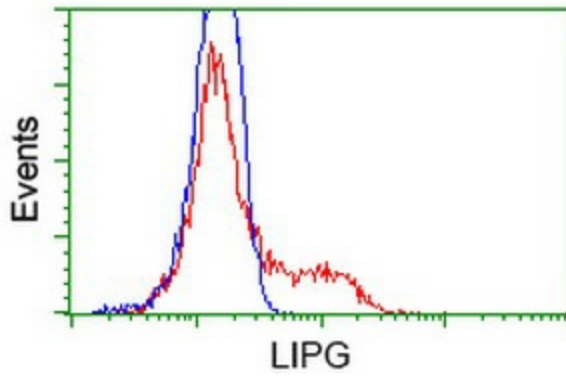
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-LIPG mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



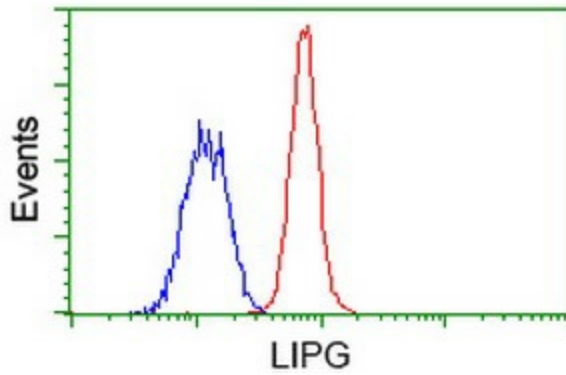
Anti-LIPG mouse monoclonal antibody ([TA501047]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY LIPG ([RC209248]).



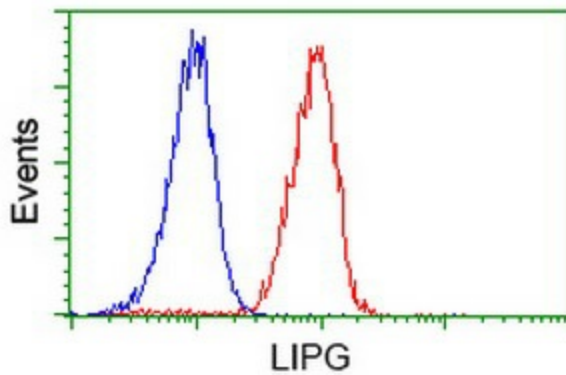
Immunoprecipitation (IP) of LIPG by using TrueMab monoclonal anti-LIPG antibodies (Negative control: IP without adding anti-LIPG antibody.). For each experiment, 500ul of DDK tagged LIPG overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-LIPG antibody and 20ul (0.1mg) of goat anti-mouse 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 ([TA501047]), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-LIPG antibody ([TA501047]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-LIPG antibody ([TA501047]), (Red), compared to a nonspecific negative control antibody, (Blue).