



LYPLA1 rabbit pAb

Cat No.:ES2735

For research use only

Overview

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|---------------------------------|--|
| Product Name | LYPLA1 rabbit pAb |
| Host species | Rabbit |
| Applications | WB;IHC;IF;ELISA |
| Species Cross-Reactivity | Human;Mouse;Rat |
| Recommended dilutions | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications. |
| Immunogen | The antiserum was produced against synthesized peptide derived from human LYPLA1. AA range:51-100 |
| Specificity | LYPLA1 Polyclonal Antibody detects endogenous levels of LYPLA1 protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Storage | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| Protein Name | Acyl-protein thioesterase 1 |
| Gene Name | LYPLA1 |
| Cellular localization | Cytoplasm . Cell membrane . Nucleus membrane . Endoplasmic reticulum . Shows predominantly a cytoplasmic localization with a weak expression in the cell membrane, nuclear membrane and endoplasmic reticulum. . |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Clonality | Polyclonal |
| Concentration | 1 mg/ml |
| Observed band | 25kD |
| Human Gene ID | 10434 |
| Human Swiss-Prot Number | O75608 |
| Alternative Names | LYPLA1; APT1; LPL1; Acyl-protein thioesterase 1; APT-1; hAPT1; Lysophospholipase 1; |

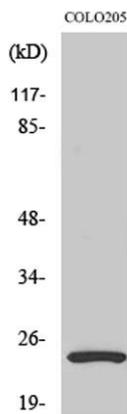




Background

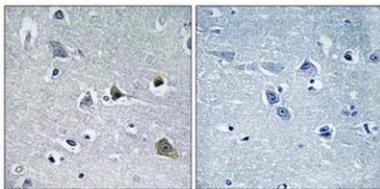
Lysophospholipase I; LPL-I; LysoPLA I

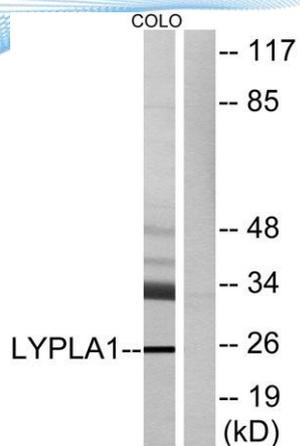
This gene encodes a member of the alpha/beta hydrolase superfamily. The encoded protein functions as a homodimer, exhibiting both depalmitoylating as well as lysophospholipase activity, and may be involved in Ras localization and signaling. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene have been defined on chromosomes 4, 6, and 7. [provided by RefSeq, Jul 2013],



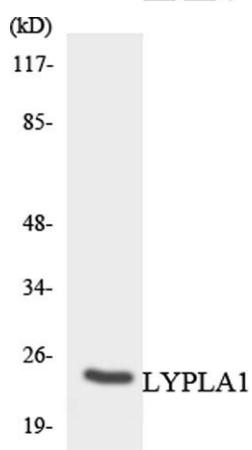
Western Blot analysis of various cells using LYPLA1
Polyclonal Antibody diluted at 1:2000

Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.





Western blot analysis of lysates from COLO cells, using LYPLA1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using LYPLA1 antibody.

