

LYPLA2 Rabbit pAb

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Catalog # AP57162

Product Information

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| Application | IHC-P, IHC-F, IF, E |
| Primary Accession | O95372 |
| Predicted | Human, Mouse, Rat, Pig, Horse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 24737 |
| Physical State | Liquid |
| Immunogen | KLH conjugated synthetic peptide derived from human LYPLA2 |
| Epitope Specificity | 1-100/231 |
| Isotype | IgG |
| Purity | affinity purified by Protein A |
| Buffer | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| SUBCELLULAR LOCATION | Cytoplasm. |
| SIMILARITY | Belongs to the AB hydrolase superfamily. AB hydrolase 2 family. |
| Important Note | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| Background Descriptions | Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. There are alternatively spliced transcript variants described for this gene but the full length nature is not known yet. [provided by RefSeq, Jul 2008] |

Additional Information

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| Gene ID | 11313 |
| Other Names | Acyl-protein thioesterase 2, APT-2, 3.1.2.-, Lysophospholipase II, LPL-II, LysoPLA II, Palmitoyl-protein hydrolase, 3.1.2.22, LYPLA2, APT2 |
| Dilution | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000 |
| Storage | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

Protein Information

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| Name | LYPLA2 |
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| Synonyms | APT2 |
| Function | Acts as an acyl-protein thioesterase hydrolyzing fatty acids from S-acylated cysteine residues in proteins such as trimeric G alpha proteins, GSDMD, GAP43, ZDHHC6 or HRAS (PubMed: 21152083 , PubMed: 28826475). Deacylates GAP43 (PubMed: 21152083). Mediates depalmitoylation of ZDHHC6 (PubMed: 28826475). Has lysophospholipase activity (PubMed: 25301951). Hydrolyzes prostaglandin glycerol esters (PG-Gs) in the following order prostaglandin D2-glycerol ester (PGD2-G) > prostaglandin E2 glycerol ester (PGE2-G) > prostaglandin F2-alpha- glycerol ester (PGF2-alpha-G) (PubMed: 25301951). Hydrolyzes 1- arachidonoylglycerol but not 2-arachidonoylglycerol or arachidonoylethanolamide (PubMed: 25301951). |
| Cellular Location | Cytoplasm. |
| Tissue Location | Expressed in various breast cancer cell lines. |

Background

Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. There are alternatively spliced transcript variants described for this gene but the full length nature is not known yet. [provided by RefSeq, Jul 2008]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.