

## PA2GE rabbit pAb

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|------------------------------|--|
| <b>Catalog No :</b>          | YT6499   |
| <b>Reactivity :</b>          | Human;Mouse  |
| <b>Applications :</b>        | WB   |
| <b>Target :</b>              | PA2GE  |
| <b>Fields :</b>              | >>Glycerophospholipid metabolism;>>Ether lipid metabolism;>>Arachidonic acid metabolism;>>Linoleic acid metabolism;>>alpha-Linolenic acid metabolism;>>Metabolic pathways;>>Ras signaling pathway;>>Vascular smooth muscle contraction;>>Pancreatic secretion;>>Fat digestion and absorption |
| <b>Gene Name :</b>           | PLA2G2E  |
| <b>Protein Name :</b>        | PA2GE  |
| <b>Human Gene Id :</b>       | 30814  |
| <b>Human Swiss Prot No :</b> | Q9NZK7   |
| <b>Mouse Gene Id :</b>       | 26970  |
| <b>Mouse Swiss Prot No :</b> | Q9QUL3   |
| <b>Immunogen :</b>           | Synthesized peptide derived from human PA2GE AA range: 58-108  |
| <b>Specificity :</b>         | This antibody detects endogenous levels of PA2GE at Human/Mouse  |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG   |
| <b>Dilution :</b>            | WB 1:500-2000  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |

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|-------------------------------|---|
| <b>Concentration :</b>        | 1 mg/ml   |
| <b>Storage Stability :</b>    | -15°C to -25°C/1 year(Do not lower than -25°C)  |
| <b>Molecularweight :</b>      | 16kD  |
| <b>Function :</b>             | catalytic activity:Phosphatidylcholine + H(2)O = 1-acylglycerophosphocholine + a carboxylate.,cofactor:Binds 1 calcium ion per subunit.,function:PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. Has a preference for arachidonic-containing phospholipids.,similarity:Belongs to the phospholipase A2 family.,tissue specificity:Restricted to the brain, heart, lung, and placenta., |
| <b>Subcellular Location :</b> | Secreted . Cytoplasm . Through binding to heparan sulfate proteoglycan, may be localized to cytoplasmic compartments enriched in anionic phospholipids. .   |
| <b>Expression :</b>           | Restricted to the brain, heart, lung, and placenta.   |
| <b>Sort :</b>                 | 11565   |
| <b>No4 :</b>                  | 1   |
| <b>Host :</b>                 | Rabbit  |
| <b>Modifications :</b>        | Unmodified  |

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