Datasheet for ABIN500531

# anti-PPAPDC2 antibody (C-Term)

1 Publication

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## Overview

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| Quantity: | 0.1 mg |
| Target: | PPAPDC2 |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Enzyme Immunoassay (EIA) |

## Product Details

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| Immunogen: | PPAPDC2 antibody was raised against a 13 amino acid peptide from near the carboxy terminus human PPAPDC2. |
| Isotype: | IgG |
| Cross-Reactivity (Details): | Species reactivity (tested):Human, mouse, rat |
| Purification: | Peptide affinity chromatography |

## Target Details

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| Target: | PPAPDC2 |
| Alternative Name: | PPAPDC2 (PPAPDC2 Products) |
| Background: | PPAPDC2 is a phosphatase that dephosphorylates Presqualene diphosphate (PSDP) into presqualene monophosphate (PSMP), suggesting that it may have important role in innate immunity. PSDP is a bioactive lipid that rapidly remodels to PSMP upon cell activation. |

## Target Details

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| | PPAPDC2 displays diphosphate phosphatase activity with a substrate preference for PSDP > FDP > phosphatidic acid. PPAPDC2 activity is independent of Mg2+ and has been identified in activated human neutrophil (PMN) extracts. It is widely expressed in human tissues. Recent studies shows PPAPDC2 is a functional isoprenoid diphosphate phosphatase.Synonyms: PPAP2 domain-containing protein 2, Phosphatidic acid phosphatase type 2 domain-containing protein 2, Presqualene diphosphate phosphatase |
| Gene ID: | 403313 |
| NCBI Accession: | NP_982278 |
| UniProt: | Q8IY26 |

## Application Details

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| Application Notes: | ELISA. Western blot: 1 - 2 µg/mL.<br>Other applications not tested.<br>Optimal dilutions are dependent on conditions and should be determined by the user. |
| Restrictions: | For Research Use only |

## Handling

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| Concentration: | 1.0 mg/mL |
| Buffer: | PBS containing 0.02 % sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | -20 °C |
| Storage Comment: | Store the antibody (in aliquots) at -20 °C. |

## Publications

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| Product cited in: | Scheving, Zhang, Garcia, Wang, Stevenson, Threadgill, Russell: "Epidermal growth factor receptor plays a role in the regulation of liver and plasma lipid levels in adult male mice." in: **American journal of physiology. Gastrointestinal and liver physiology**, Vol. 306, Issue 5, pp. G370-81, (2014) (PubMed). |

 