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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-DK9

# PEAR1 Antibody

## Overview

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| **Description:** | Anti-PEAR1 (RABBIT) Antibody - 600-401-DK9 |
| **Item No.:** | 600-401-DK9 |
| **Size:** | 100 µg |
| **Applications:** | ELISA, IF, IHC, WB |
| **Reactivity:** | Human, Mouse, Rat |
| **Host Species:** | Rabbit |

## Product Details

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| **Background:** | Platelet endothelial aggregation receptor 1 (PEAR1) is a platelet receptor that signals upon the formation of platelet-platelet contacts independent of platelet activation and secondary to platelet aggregation. Upon platelet aggregation stimulated by physiological agonists, PEAR1 becomes tyrosine- and serine-phosphorylated; the tyrosine phosphorylation can be inhibited by eptifibatide, an aIIbbeta3 antagonist that also inhibits platelet aggregation. Recent studies have indicated that genetic variations in PEAR1, may be associated with enhanced agonist-induced platelet aggregation. |
| **Synonyms:** | PEAR1 Antibody, JEDI, MEGF12, Platelet endothelial aggregation receptor 1, Multiple epidermal growth factor-like domains protein 12, hPEAR1 |
| **Host Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Gene Name:** | PEAR1 |
| **Reactivity:** | Human, Mouse, Rat |
| **Immunogen Type:** | Conjugated Peptide |
| **Immunogen:** | Anti-PEAR1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the C-terminus of human PEAR1. |

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| **Purity/Specificity:** | Anti-PEAR1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with PEAR1 from other sources has not been determined. |
| **Relevant Links:** | • UniProtKB - Q5VY43<br>• GeneID - 375033<br>• NCBI - NP_001073940 |

## Application Details

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| **Tested Applications:** | ELISA, IF, IHC, WB |
| **Application Note:** | Anti-PEAR1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 111 kDa in Western Blots of specific cell lysates and tissues. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | 1:10,000 |
| **IF:** | 20 µg/mL |
| **IHC:** | 2.5 µg/mL |
| **WB:** | 1 µg/mL |

## Formulation

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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 1 mg/mL by UV absorbance at 280 nm |
| **Buffer:** | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.02% (w/v) Sodium Azide |
| **Stabilizer:** | None |

## Shipping & Handling

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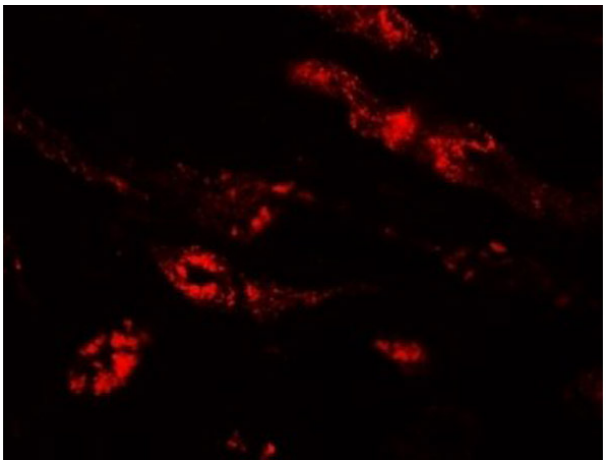
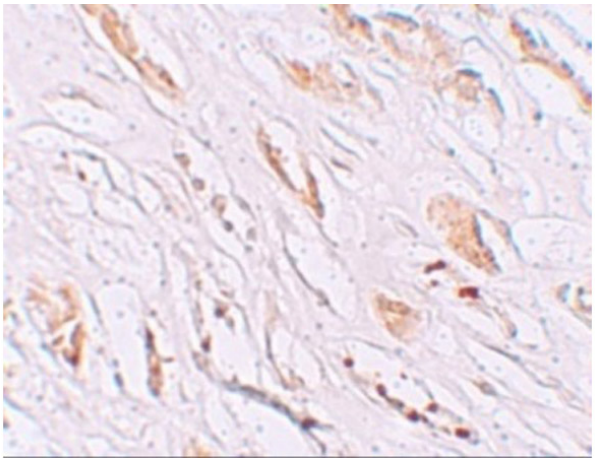
| **Shipping Condition:** | Dry Ice |
| **Storage Condition:** | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |

**Expiration:** Expiration date is one (1) year from date of receipt.

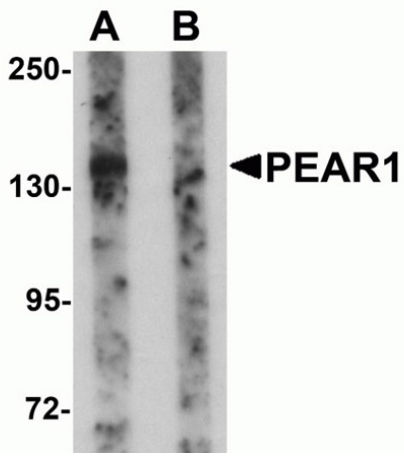
## Images



**Immunofluorescence Microscopy**
Immunofluorescence of PEAR1.
Tissue: human kidney tissue.
Primary Antibody: Anti-PEAR1 antibody at 20 µg/mL.



**Immunohistochemistry**
Immunohistochemistry of PEAR1.
Tissue: human kidney tissue.
Primary Antibody: Anti-PEAR1 antibody at 2.5 µg/mL.




**Western Blot**
Western blot analysis of PEAR1.
Load: rat kidney tissue lysate.
Primary Antibody: Anti-PEAR1 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

## Disclaimer

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