Datasheet for ABIN965592

# anti-ARL1 antibody (N-Term)

2 Publications

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## Overview

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| Quantity: | 0.1 mg |
| Target: | ARL1 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ARL1 antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC) |

## Product Details

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| Immunogen: | Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human ARL1(ADP-ribosylation factor-like protein 1) |
| Purification: | Purified by antigen-specific affinity chromatography. |

## Target Details

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| Target: | ARL1 |
| Alternative Name: | ARL1 (ARL1 Products) |
| Background: | ARL1(ADP-ribosylation factor-like protein 1) belongs to the ARL (ADP-ribosylation factor-like) family of proteins, which are structurally related to ADP-ribosylation factors (ARFs). ARFs, described as activators of cholera toxin (CT) ADP-ribosyltransferase activity, regulate intracellular vesicular membrane trafficking, and stimulate a phospholipase D (PLD) isoform. |

## Target Details

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| | Although, ARL proteins were initially thought not to activate CT or PLD, later work showed that they are weak stimulators of PLD and CT in a phospholipid dependent manner. Recent data show that Arl1 regulates the membrane recruitment of Golgin-97, which plays a role in transport from the endosome to the trans-Golgi network. |

## Application Details

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| Application Notes: | ELISA, Western blotting: 1µg/ml for 2hrs. |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |
| Buffer: | This antibody is stored in PBS, 50% glycerol |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |

## Publications

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| Product cited in: | Van Valkenburgh, Shern, Sharer, Zhu, Kahn: "ADP-ribosylation factors (ARFs) and ARF-like 1 (ARL1) have both specific and shared effectors: characterizing ARL1-binding proteins." in: **The Journal of biological chemistry**, Vol. 276, Issue 25, pp. 22826-37, (2001) (PubMed).<br><br>Hong, Lee, Patton, Lin, Moss, Vaughan: "Phospholipid- and GTP-dependent activation of cholera toxin and phospholipase D by human ADP-ribosylation factor-like protein 1 (HARL1)." in: **The Journal of biological chemistry**, Vol. 273, Issue 25, pp. 15872-6, (1998) (PubMed). |