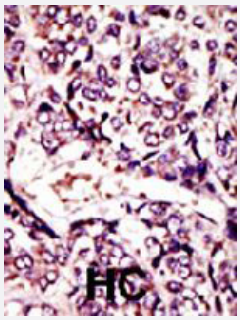
# ARL1 polyclonal antibody

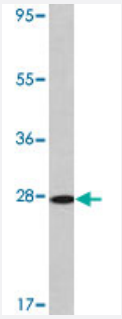
Catalog # PAB4256 Size 400 uL

## Applications




### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with ARL1 polyclonal antibody (Cat # PAB4256) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . HC = hepatocarcinoma .




### Western Blot (Cell lysate)

Western blot analysis of K-562 cell lysate (35 ug/lane) with ARL1 polyclonal antibody (Cat # PAB4256).

## Specification

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|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against synthetic peptide of ARL1. |
| **Immunogen** | A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human ARL1. |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Protein G purification |

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|---|---|
| **Recommend Usage** | ELISA (1:1000)<br>Western Blot (1:100-500)<br>Immunohistochemistry (1:50-100)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS (0.09% sodium azide) |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with ARL1 polyclonal antibody (Cat # PAB4256) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated . HC = hepatocarcinoma .

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis of K-562 cell lysate (35 ug/lane) with ARL1 polyclonal antibody (Cat # PAB4256).

## Gene Info — ARL1

| | |
|---|---|
| **Entrez GeneID** | 400 |
| **Protein Accession#** | NP_001168;P40616 |
| **Gene Name** | ARL1 |
| **Gene Alias** | ARFL1 |
| **Gene Description** | ADP-ribosylation factor-like 1 |
| **Omim ID** | 603425 |
| **Gene Ontology** | Hyperlink |

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| | |
|---|---|
| **Gene Summary** | The protein encoded by this gene 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. 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. [provided by RefSeq |
| **Other Designations** | - |

## Publication Reference

- Phospholipid- and GTP-dependent activation of cholera toxin and phospholipase D by human ADP-ribosylation factor-like protein 1 (HARL1).

  Hong JX, Lee FJ, Patton WA, Lin CY, Moss J, Vaughan M.

  The Journal of Biological Chemistry 1998 Jun; 273(25):15872.

  Application: WB-Re, WB-Ti, Human, Brains, Hearts, Kidneys, Livers, Lungs, Recombinant proteins, Skeletal muscles

- Different ARF domains are required for the activation of cholera toxin and phospholipase D.

  Zhang GF, Patton WA, Lee FJ, Liyanage M, Han JS, Rhee SG, Moss J, Vaughan M.

  The Journal of Biological Chemistry 1995 Jan; 270(1):21.

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