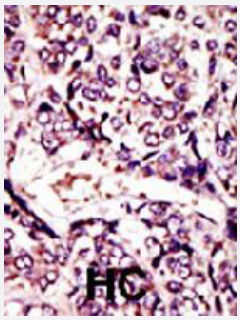
ARL1 polyclonal antibody

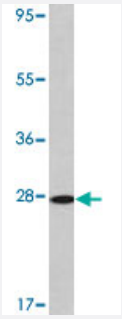
Catalog # PAB4256 Size 400 uL

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

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) Western Blot (1:100-500) Immunohistochemistry (1:50-100) 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. 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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