



# Rabbit Anti-Human ARL1 Polyclonal Antibody (CABT-L2273)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Aldose Reductase Like Protein 1 (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against ARL1. It has been selected for its ability to recognize ARL1 in immunohistochemical staining and western blotting.
<b>Target</b>	ARL1
<b>Immunogen</b>	Recombinant fragment corresponding to human ARL1 (Met1~Tyr316)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	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. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014]
<b>Keywords</b>	AKR1B10;AKR1B12;HIS;HSI;ALDRLn;Aldo-Keto Reductase Family 1,Member B10;Aldose Reductase-Related Protein;Small Intestine Reductase

## GENE INFORMATION

<b>Gene Name</b>	ARL1 ADP-ribosylation factor-like 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ARL1
<b>Synonyms</b>	ARL1; ADP-ribosylation factor-like 1; ARFL1; ADP-ribosylation factor-like protein 1;
<b>Entrez Gene ID</b>	<a href="#">400</a>
<b>Protein Refseq</b>	NP_001168
<b>UniProt ID</b>	<a href="#">P40616</a>
<b>Chromosome Location</b>	12q23.2
<b>Function</b>	GTP binding; GTPase activity; enzyme activator activity; metal ion binding; protein domain specific binding;