

Rabbit anti-Human, Rat Aldose Reductase Like Protein 1 Polyclonal Antibody | anti-ARL1 antibody

Polyclonal Antibody to Aldose Reductase Like Protein 1 (ARL1)

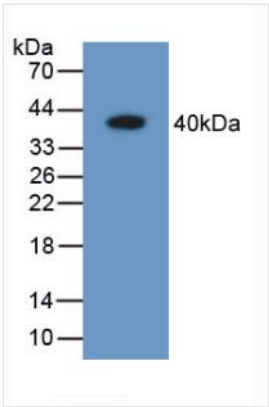
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA20919	Rabbit	Human, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

Aldose Reductase Like Protein 1; Polyclonal Antibody; Polyclonal Antibody to Aldose Reductase Like Protein 1 (ARL1); anti-ARL1 antibody

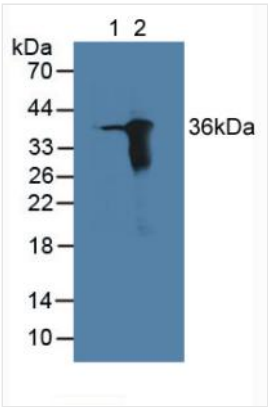
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Specificity	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.
Purity/Purification	Affinity Chromatography
Form/Format	Liquid
Concentration	0.6mg/ml (varies by lot)
Sequence	Antigen: The target protein is fused with a C-terminal tag, His-tag and T7-tag and its sequence is listed below. MGSSH HHHHHSSGLV PRGSHMASMT GGQMGGRGSE F-MATFVELS TKAKMPIVGL GTWKSPLGKV KEAVKVAIDA GYRHIDCAYV YQNEHEVGEA IQEKIQEKAV KREDLFIVSK LWPTFFERPL VRKAFETLK DLKLSYLDVY LIHWPQGFKS GDDLFPKDDK GNAIGGKATF LDAWEAMEEL VDEGLVKALG VSNFSHFQIE KLLNKPGLKY KPVTNQVECH PYLTQEKLQ YCHSKGITVT AYSPLGSPDR PWAKPEDPSL LEDPKIKEIA AKHKKTAAQV LIRFHIQRNV IVPKSVTPA RIVENIQVFD FKLSDEEMAT ILSFNRNWRA CNVLQSSHLE DYPFNAEY
Applicable Applications for anti-ARL1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Application Notes	Western blotting: 0.5-5ug/mL Immunocytochemistry in formalin fixed cells: 5-20ug/mL Immunohistochemistry in formalin fixed frozen section: 5-20ug/mL Immunohistochemistry in paraffin section: 5-20ug/mL Optimal working dilutions must be determined by end user.
Fragment	ARL1 (Met1~Tyr316)
Organism Species	Homo sapiens (Human)
Cross Reactivity	Human
Conjugate	No Conjugate
Immunogen	Recombinant ARL1 (Met1~Tyr316) expressed in E. coli.
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.



Knockout Validation

Knockout Validation: Lane 1: Wild-type HCT116 cell lysate; Lane 2: ARL1 knockout HCT116 cell lysate; Predicted MW: 36kd Observed MW: 33kd Primary Ab: 3ug/ml Rabbit Anti-Human ARL1 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody (Human.



WB (Western Blot)

Western Blot: Sample: Lane1: Human HCT116 Cells; Lane2: Human A549 Cells.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ARL1 antibody	Knock-Out Validation Antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	223468663
NCBI GeneID	57016
NCBI Accession #	NP_064695.3
NCBI GenBank Nucleotide #	NM_020299.4
UniProt Accession #	O60218; O75890; Q6FHF3; Q8IWZ1; A4D1P1
Molecular Weight	36,020 Da
NCBI Official Full Name	aldo-keto reductase family 1 member B10
NCBI Official Synonym Full Names	aldo-keto reductase family 1 member B10
NCBI Official Symbol	AKR1B10
NCBI Official Synonym Symbols	HIS; HSI; ARL1; ARL-1; ALDRLn; AKR1B11; AKR1B12
NCBI Protein Information	aldo-keto reductase family 1 member B10
UniProt Protein Name	Aldo-keto reductase family 1 member B10
UniProt Gene Name	AKR1B10
UniProt Synonym Gene Names	AKR1B11; ARP; hARP; SI reductase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.