



Rabbit Anti-ART5 antibody

SL9105R

Product Name:	ART5
Chinese Name:	二磷酸腺苷核糖基转移酶5抗体
Alias:	ADP ribosyltransferase 5; ART 5; EC 2.4.2.31; Ecto ADP ribosyltransferase 5; MGC22848; Mono (ADP ribosyl) transferase 5; NAD(P)(+) arginine ADP ribosyltransferase 5; NAR5 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	30kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ART5:131-230/291
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Mono-ADP-ribosylation is one of the posttranslational protein modifications regulating cellular metabolism (e.g. nitrogen fixation) in prokaryotes. Mono-ADP-ribosylation is a process in which the ADP-ribose moiety of nicotinamide adenine dinucleotide is transferred to an acceptor amino acid. Five mammalian ADP-ribosyltransferases (ART1-ART5) have been cloned, and each ART is expressed in different tissues. ART5

(ADP-ribosyltransferase 5), also known as Ecto-ADP-ribosyltransferase 5, is a 292 amino acid secretory protein that is expressed in testis, heart, skeletal muscle and lymphoma. Functionally, ART5 is implicated to play a role in cell signaling and metabolism cascades. Two isoforms of ART5 exist as a result of alternative splicing events.

Subcellular Location:

Secreted

Similarity:

Belongs to the Arg-specific ADP-ribosyltransferase family.

SWISS:

Q96L15

Gene ID:

116969

Database links:

[Entrez Gene: 116969](#)Human

[Entrez Gene: 11875](#)Mouse

[Entrez Gene: 259167](#)Rat

[Omin: 610625](#)Human

[SwissProt: Q96L15](#)Human

[SwissProt: P70352](#)Mouse

[SwissProt: Q5XHY4](#)Rat

[Unigene: 125680](#)Human

[Unigene: 2816](#)Mouse

[Unigene: 19845](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.