



## Rabbit Anti-ART3 antibody

SL9103R

<b>Product Name:</b>	ART3
<b>Chinese Name:</b>	二磷酸腺苷核糖基转移酶3抗体
<b>Alias:</b>	ADP ribosyltransferase 3; ART 3; Art3; Ecto-ADP-ribosyltransferase 3; FLJ26404; mono ADP ribosyltransferase; Mono(ADP-ribosyl)transferase 3; NAD(P)(+)-arginine ADP-ribosyltransferase 3; NAR3 HUMAN; TMART.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=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.
<b>Molecular weight:</b>	37kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ART3:221-320/389
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 expression is restricted to tissues such as cardiac

and skeletal muscle, leukocytes, brain and testis. ART3 (ADP-ribosyltransferase 3), also known as Ecto-ADP-ribosyltransferase 3, is a testis specific membrane protein that does not appear to have ADP-ribosyltransferase activity. It lacks the R-S-EXE active site motif and is therefore unable to catalyze the reaction. ART3 is predominantly found in spermatocytes and may play a role in spermatogenesis.

**Subcellular Location:**

Cell membrane; Lipid-anchor, GPI-anchor.

**Tissue Specificity:**

Testis specific.

**Similarity:**

Belongs to the Arg-specific ADP-ribosyltransferase family.

**SWISS:**

Q13508

**Gene ID:**

419

**Database links:**

[Entrez Gene: 419](#)Human

[Omim: 603086](#)Human

[SwissProt: Q13508](#)Human

[Unigene: 24976](#)Human

**Important Note:**

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