

Datasheet: 0200-0079

Description:	RABBIT ANTI RAT ADENINE NUCLEOTIDE TRANSLOCATOR 1
Specificity:	ADENOSINE NUCLEOTIDE TRANSLOCATOR 1
Other names:	ANT1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Western Blotting	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Rat
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Mouse, Rabbit, Bovine, Chicken N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	5.0 mg/ml
Immunogen	Synthetic peptide corresponding to amino acids 1 - 11 of rat ANT1 conjugated to KLH. Peptide sequence: CGDQALSFLKDF

**External Database
Links**

UniProt:

[Q05962](#)

[Related reagents](#)

Entrez Gene:

[85333](#)

Slc25a4

[Related reagents](#)

Synonyms

Ant1

Specificity

Rabbit anti Rat Adenine Nucleotide Translocator 1 antibody recognizes ADP/ATP translocase 1, also known as Adenine Nucleotide Translocator 1 (ANT1), ADP,ATP carrier protein 1 or Solute carrier family 25 member 4. ANT1 is a 298 amino acid ~:32kDA multi-pass inner mitochondrial membrane transmembrane glycoprotein.

In Western blots on rat heart mitochondria, it gives a peptide blockable duplet at 31/33 kD, and part peptide blockable duplets at 38/48 kD and 66/70 kD.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet Documentation #10040 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (2AB02...)

[Biotin](#)

Sheep Anti Rabbit IgG (STAR34...)

[FITC](#)

Sheep Anti Rabbit IgG (STAR35...)

[RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...)

[Biotin](#), [FITC](#), [HRP](#)

Goat Anti Rabbit IgG (H/L) (STAR124...)

[HRP](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Sheep Anti Rabbit IgG (STAR54...)

[HRP](#)

Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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'M278979:160115'

Printed on 09 Jun 2017

