abcam

Product datasheet

Anti-APRT antibody ab72782

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Overview

Product name	Anti-APRT antibody
Description	Mouse polyclonal to APRT
Host species	Mouse
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant full length protein within Human APRT. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please **contact** our Scientific Support team to discuss your requirements.
Positive control	Human liver lysate. APRT transfected 293T cell lysate.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.4 Constituent: 2.68% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab72782 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 19 kDa (predicted molecular weight: 20 kDa).

Target

Function Catalyzes a salvage reaction resulting in the formation of AMP, that is energically less costly than de novo synthesis.

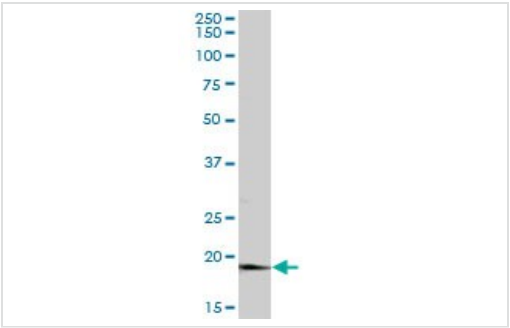
Pathway Purine metabolism; AMP biosynthesis via salvage pathway; AMP from adenine: step 1/1.

Involvement in disease Defects in APRT are the cause of adenine phosphoribosyltransferase deficiency (APRTD) [MIM:102600]; also known as 2,8-dihydroxyadenine urolithiasis. An enzymatic deficiency that can lead to urolithiasis and renal failure. Patients have 2,8-dihydroxyadenine (DHA) urinary stones.

Sequence similarities Belongs to the purine/pyrimidine phosphoribosyltransferase family.

Cellular localization Cytoplasm.

Images



Western blot - Anti-APRT antibody (ab72782)

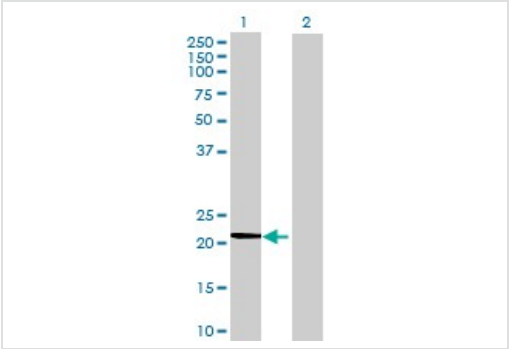
Anti-APRT antibody (ab72782) at 1/500 dilution + human liver lysate at 25 µg

Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/2500 dilution

Predicted band size: 20 kDa

Observed band size: 19 kDa



Western blot - Anti-APRT antibody (ab72782)

All lanes : Anti-APRT antibody (ab72782) at 1/500 dilution

Lane 1 : APRT transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/2500 dilution

Predicted band size: 20 kDa

Observed band size: 22 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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