

ARG54908 anti-APRT antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes APRT
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	APRT
Species	Human
Immunogen	Recombinant protein of Human APRT (NP_000476.1)
Conjugation	Un-conjugated
Alternate Names	Adenine phosphoribosyltransferase; AMP; EC 2.4.2.7; APRTD; APRT

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse intestine and HeLa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 11821 Mouse](#)

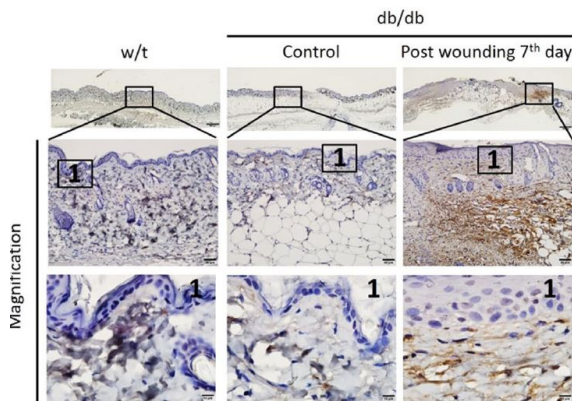
[GeneID: 353 Human](#)

[Swiss-port # P07741 Human](#)

[Swiss-port # P08030 Mouse](#)

Gene Symbol	APRT
Gene Full Name	adenine phosphoribosyltransferase
Background	Adenine phosphoribosyltransferase belongs to the purine/pyrimidine phosphoribosyltransferase family. A conserved feature of this gene is the distribution of CpG dinucleotides. This enzyme catalyzes the formation of AMP and inorganic pyrophosphate from adenine and 5-phosphoribosyl-1-pyrophosphate (PRPP). It also produces adenine as a by-product of the polyamine biosynthesis pathway. A homozygous deficiency in this enzyme causes 2,8-dihydroxyadenine urolithiasis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Catalyzes a salvage reaction resulting in the formation of AMP, that is energetically less costly than de novo synthesis. [UniProt]
Research Area	Metabolism antibody; Signaling Transduction antibody
Calculated Mw	20 kDa

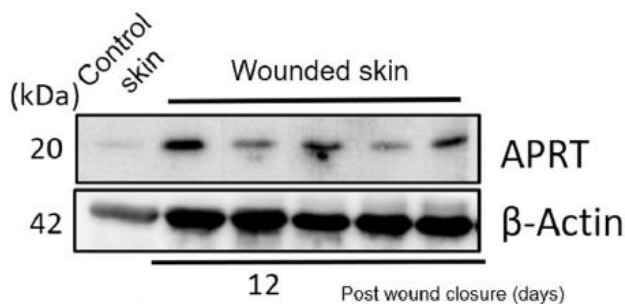
Images



ARG54908 anti-APRT antibody IHC-P image

Immunohistochemistry: Mouse skin stained with ARG54908 anti-APRT antibody.

From Young GH et al. FASEB J- (2021), [doi: 10.1096/fj.202001736RR](#), Fig. 1. D.



ARG54908 anti-APRT antibody WB image

Western blot: Mouse skin stained with ARG54908 anti-APRT antibody.

From Young GH et al. FASEB J- (2021), [doi: 10.1096/fj.202001736RR](#), Fig. 1. B.

ARG54908 anti-APRT antibody WB image

Western blot: Mouse intestine and HeLa cell lysates stained with ARG54908 anti-APRT antibody.

