ARG45604
anti-AMPD1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes AMPD1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Specificity	AMPD1
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	AMPD1
Species	Human
Immunogen	Recombinant protein containing to human AMPD1.
Conjugation	Un-conjugated
Alternate Names	AMPD1; Adenosine Monophosphate Deaminase 1; Myoadenylate Deaminase; MADA; MAD; Adenosine Monophosphate Deaminase 1 (Isoform M); Skeletal Muscle AMPD; AMP Deaminase 1; EC 3.5.4.6; Adenosine Monophosphate Deaminase-1 (Muscle); AMP Deaminase Isoform M; AMPD Isoform M; MMDD; AMPD

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
IHC-P	2-5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

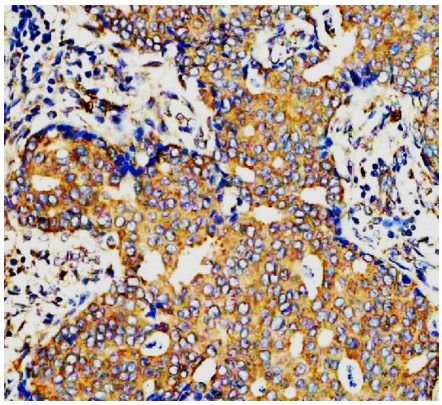
Form	Powder
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in 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

Gene Symbol	AMPD1
Gene Full Name	Adenosine Monophosphate Deaminase 1
Background	Adenosine monophosphate deaminase 1 catalyzes the deamination of AMP to IMP in skeletal muscle and plays an important role in the purine nucleotide cycle. Two other genes have been identified, AMPD2 and AMPD3, for the liver- and erythocyte-specific isoforms, respectively. Deficiency of the muscle-specific enzyme is apparently a common cause of exercise-induced myopathy and probably the most common cause of metabolic myopathy in the human. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene.[provided by RefSeq, Feb 2010]
Function	AMP deaminase plays a critical role in energy metabolism. [UniProt]
Calculated Mw	63 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Cytosol. [UniProt]

Images

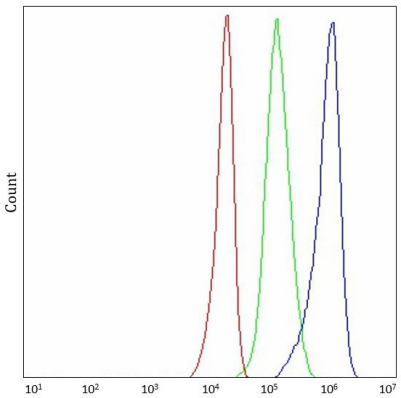


ARG45604 anti-AMPD1 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG45604 anti-AMPD1 antibody at 2 µg/ml dilution.

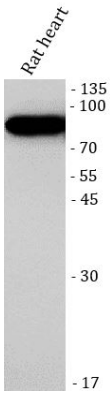
ARG45604 anti-AMPD1 antibody WB image

Western blot: MCF-7 stained with ARG45604 anti-AMPD1 antibody at 0.5 µg/ml dilution.



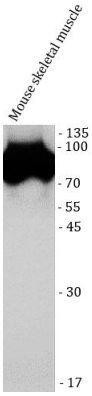
ARG45604 anti-AMPD1 antibody FACS image

Flow Cytometry: U251 stained with ARG45604 anti-AMPD1 antibody at 1 µg/10^6 cells dilution.



ARG45604 anti-AMPD1 antibody WB image

Western blot: Rat heart stained with ARG45604 anti-AMPD1 antibody at 0.5 µg/ml dilution.



ARG45604 anti-AMPD1 antibody WB image

Western blot: Mouse skeletal muscle stained with ARG45604 anti-AMPD1 antibody at 0.5 µg/ml dilution.