ARG56188
anti-AMPD3 antibody [AMPD3/901]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [AMPD3/901] recognizes AMPD3
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	AMPD3/901
Isotype	IgG2b, kappa
Target Name	AMPD3
Species	Human
Immunogen	Recombinant full-length human AMPD3 protein.
Conjugation	Un-conjugated
Alternate Names	AMP deaminase 3; AMP deaminase isoform E; EC 3.5.4.6; Erythrocyte AMP deaminase

Application Instructions

Application table

Application	Dilution
IHC-P	2 - 4 µg/ml

Application Note: IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min, followed by cooling at RT for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

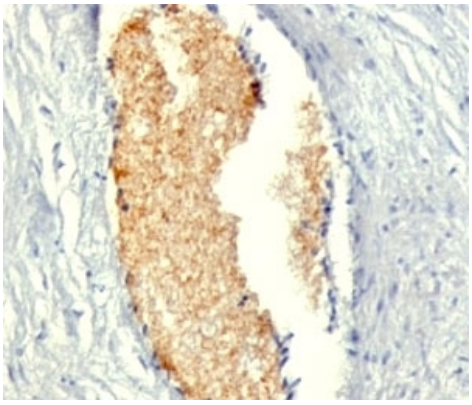
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 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

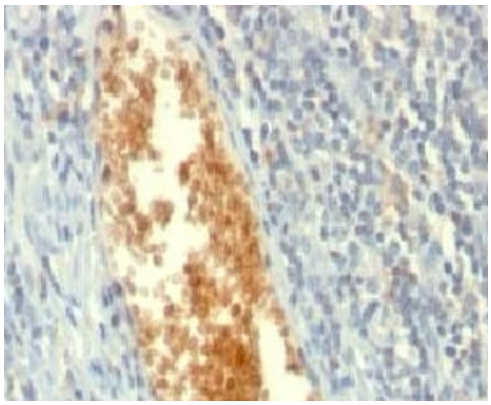
Database links	GeneID: 272 Human Swiss-port # Q01432 Human
Gene Symbol	AMPD3
Gene Full Name	adenosine monophosphate deaminase 3
Background	This gene encodes a member of the AMP deaminase gene family. The encoded protein is a highly regulated enzyme that catalyzes the hydrolytic deamination of adenosine monophosphate to inosine monophosphate, a branch point in the adenylate catabolic pathway. This gene encodes the erythrocyte (E) isoforms, whereas other family members encode isoforms that predominate in muscle (M) and liver (L) cells. Mutations in this gene lead to the clinically asymptomatic, autosomal recessive condition erythrocyte AMP deaminase deficiency. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq, Jul 2008]
Function	AMP deaminase plays a critical role in energy metabolism. [UniProt]
Calculated Mw	89 kDa
Cellular Localization	Cytoplasmic, membrane

Images



ARG56188 anti-AMPD3 antibody [AMPD3/901] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human placenta stained with ARG56188 anti-AMPD3 antibody [AMPD3/901].



ARG56188 anti-AMPD3 antibody [AMPD3/901] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsil stained with ARG56188 anti-AMPD3 antibody [AMPD3/901].