

Datasheet for ABIN6939530

anti-AMPD3 antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	AMPD3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AMPD3 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human AMPD3 protein
Clone:	AMPD3-901
Isotype:	IgG2b kappa
Specificity:	<p>It recognizes a protein of ~90 kDa, which is identified as Adenosine Monophosphate Deaminase, isoform E (AMPD3). It has 767 amino acids and is assigned an EC 3.5.4.6. It is a highly regulated enzyme that catalyzes the hydrolytic deamination of adenosine monophosphate to inosine monophosphate, a branch point in the adenylate catabolic pathway. AMPD3 gene encodes the erythrocyte (E) isoforms, whereas other family members encode isoforms that predominate in muscle (M) and liver (L) cells. This MAb shows reactivity with cells of the erythroid lineage at all stages of maturation in the peripheral blood, bone marrow, and fetal liver. Non-erythroid lineages are negative by flow cytometry. This MAb is useful in the diagnosis of erythroleukemia, identification of bone marrow erythroid precursors, gating erythroid nucleated precursor cells from malignant cells in bone marrow specimens.</p>

Product Details

Purification: Purified by Protein A/G

Target Details

Target: AMPD3

Alternative Name: AMPD3 ([AMPD3 Products](#))

Molecular Weight: ~90kDa

Gene ID: 272

UniProt: [Q01432](#)

Application Details

Application Notes: Positive Control: RBC. Fetal liver, Spleen or Placenta.
Known Application: Immunohistochemistry (Formalin-fixed) (2-4 µg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

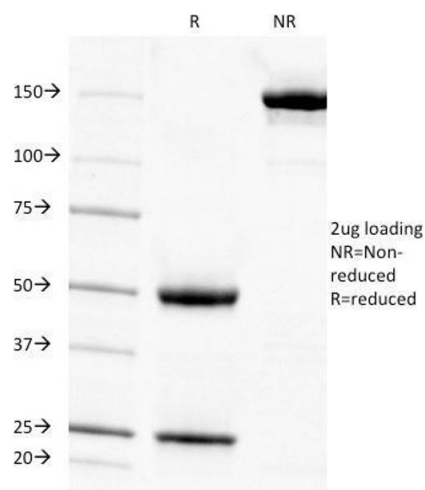
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

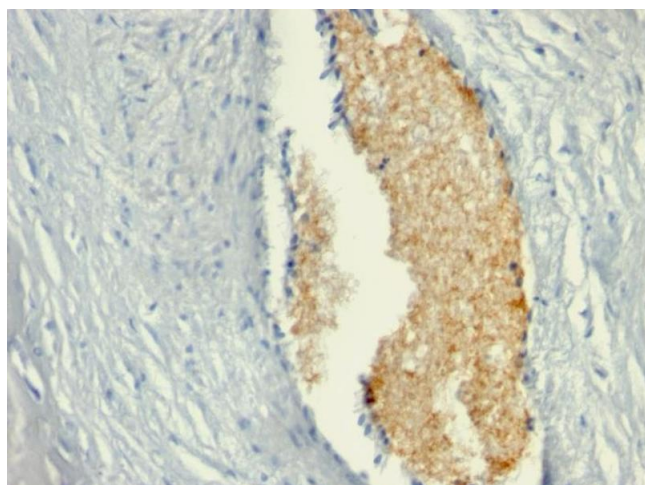
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



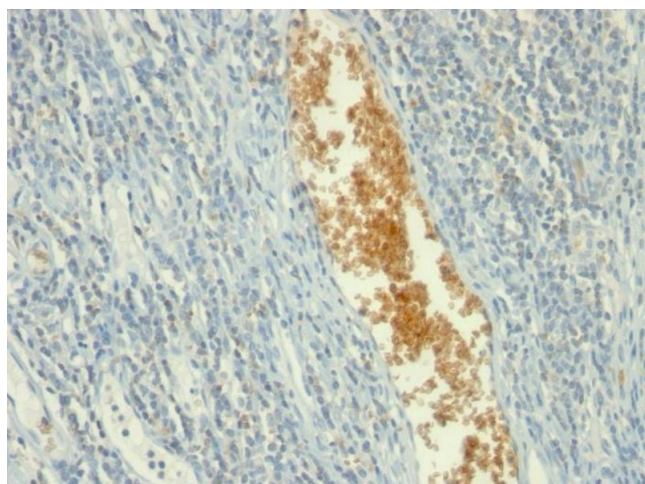
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified AMPD3 Mouse Monoclonal Antibody (AMPD3/901). Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Placenta stained with AMPD3 Mouse Monoclonal Antibody (AMPD3/901)



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Tonsil stained with AMPD3 Mouse Monoclonal Antibody (AMPD3/901)