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AMP Deaminase, Isoform E (AMPD3) (Erythroid Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone AMPD3/901]
Catalog # AH11326

Specification

AMP Deaminase, Isoform E (AMPD3) (Erythroid Marker) Antibody - With BSA and Azide - Product Information

Application	**IHC-F, IF, FC, ICC**
Primary Accession	Q01432
Other Accession	272, 501890
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG2b, kappa**
Calculated MW	**~90kDa KDa**

AMP Deaminase, Isoform E (AMPD3) (Erythroid Marker) Antibody - With BSA and Azide - Additional Information

Gene ID 272

Other Names
AMP deaminase 3, 3.5.4.6, AMP deaminase isoform E, Erythrocyte AMP deaminase, AMPD3

Application Note
IHC-F~~N/A<br \>IF~~1:50~200<br \>FC~~1:10~50<br \>ICC~~N/A

Storage
Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions
AMP Deaminase, Isoform E (AMPD3) (Erythroid Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

AMP Deaminase, Isoform E (AMPD3) (Erythroid Marker) Antibody - With BSA and Azide - Protein Information

Name AMPD3 (HGNC:470)

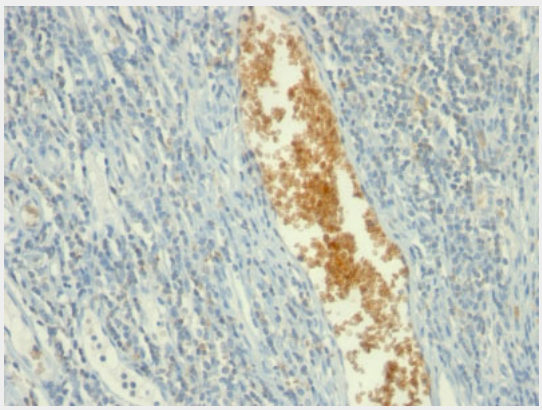
Function
AMP deaminase plays a critical role in energy metabolism.

AMP Deaminase, Isoform E (AMPD3) (Erythroid Marker) Antibody - With BSA and Azide - Protocols

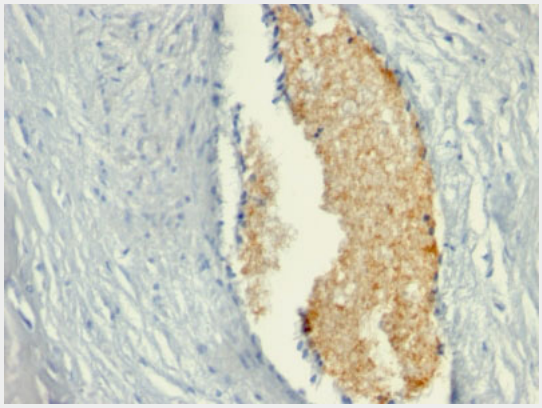
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AMP Deaminase, Isoform E (AMPD3) (Erythroid Marker) Antibody - With BSA and Azide - Images



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



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

AMP Deaminase, Isoform E (AMPD3) (Erythroid Marker) Antibody - With BSA and Azide - Background

It recognizes a protein of ~90kDa, 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.

AMP Deaminase, Isoform E (AMPD3) (Erythroid Marker) Antibody - With BSA and Azide - References

Sabina RL, Waldenstrm A, Ronquist G. The contribution of Ca+ calmodulin activation of human erythrocyte AMP deaminase (isoform E) to the erythrocyte metabolic dysregulation of familial phosphofructokinase deficiency. Haematologica. 2006;91(5):652-5