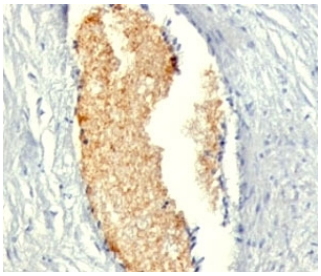
AMPD3 Antibody [clone AMPD3/901] (V2540)

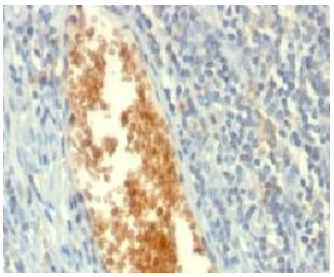
Catalog No.	Formulation	Size
V2540-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2540-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2540SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2540IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

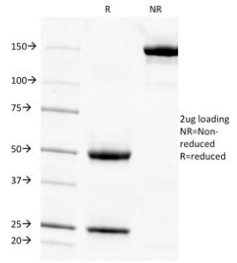
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	AMPD3/901
Purity	Protein G affinity chromatography
UniProt	Q01432
Localization	Cytoplasmic, membrane
Applications	Immunohistochemistry (FFPE) : 2-4ug/ml for 30 min at RT
Limitations	This AMPD3 antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human placenta stained with AMPD3 antibody (AMPD3/901)



IHC: Formalin-fixed, paraffin-embedded human tonsil stained with AMPD3 antibody (AMPD3/901)



SDS-PAGE analysis of purified, BSA-free AMPD3 antibody (clone AMPD3/901) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the AMPD3 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant full-length human protein was used as the immunogen for the AMPD3 antibody.

Storage

Store the AMPD3 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).