

# AMPD3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7869c

## Product Information

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Application	WB, E
Primary Accession	<a href="#">Q01432</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	88812
Antigen Region	325-356

## Additional Information

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Gene ID	272
Other Names	AMP deaminase 3, AMP deaminase isoform E, Erythrocyte AMP deaminase, AMPD3
Target/Specificity	This AMPD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 325-356 amino acids from the Central region of human AMPD3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	AMPD3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	AMPD3 ( <a href="#">HGNC:470</a> )
Function	AMP deaminase plays a critical role in energy metabolism.

## Background

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AMPD3 is a member of the AMP deaminase gene family. This 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. The protein is the erythrocyte (E) isoforms, whereas other family members isoforms predominate in muscle (M) and liver (L) cells. Mutations in this gene lead to the clinically asymptomatic, autosomal recessive condition erythrocyte AMP deaminase deficiency.

## References

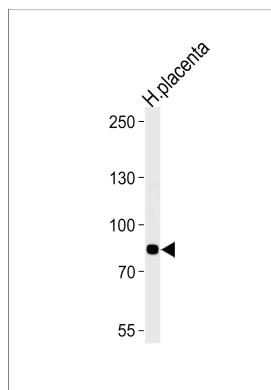
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Mahnke-Zizelman D.K., Eddy R. *Biochim. Biophys. Acta* 1306:75-92(1996)

Yamada Y., Goto H., Wakamatsu N., Ogasawara N. *Hum. Mutat.* 17:78-78(2001)

## Images

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AMPD3 Antibody (Center) (Cat.# AP7869c) western blot analysis in human placenta tissue lysate (35ug/lane). This demonstrates that the AMPD3 antibody detected AMPD3 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.