

AMPD3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5263

Product Information

Application	WB
Primary Accession	Q01432
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	88812
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	272
Antigen Region	325-356
Other Names	AMPD3; AMP deaminase 3; AMP deaminase isoform E; Erythrocyte AMP deaminase
Dilution	WB~~ 1:1000
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.
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

Name	AMPD3 (HGNC:470)
Function	AMP deaminase plays a critical role in energy metabolism.

Background

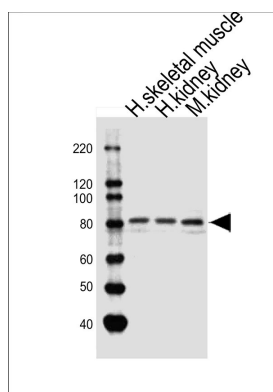
AMPD3 is a member of the AMP deaminase gene family. This protein is a highly regulated enzyme that catalyzes the hydrolytic deamination of adenosine monophosphate to inosine monophosphate, a branch point in the adenylate catabolic pathway. The protein is the erythrocyte (E) isoforms, whereas other family 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

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



Western blot analysis of lysates from human skeletal muscle, human kidney, mouse kidney tissue (from left to right), using AMPD3 Antibody (Center)(Cat. #AW5263). AW5263 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

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