

AMPD3 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5263**Specification**

AMPD3 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q01432
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=89,76,90,71 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

AMPD3 Antibody (Center) - 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.

AMPD3 Antibody (Center) - Protein Information**Name** AMPD3 ([HGNC:470](#))

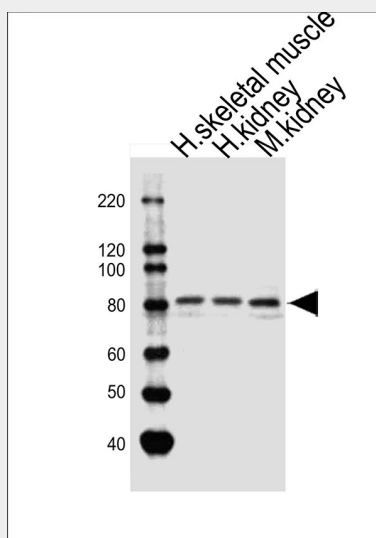
Function

AMP deaminase plays a critical role in energy metabolism.

AMPD3 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AMPD3 Antibody (Center) - 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.

AMPD3 Antibody (Center) - 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.

AMPD3 Antibody (Center) - 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)