

AMPD3 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7869c

Specification

AMPD3 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O01432
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	325-356

AMPD3 Antibody (Center) - Additional Information

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

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](#))

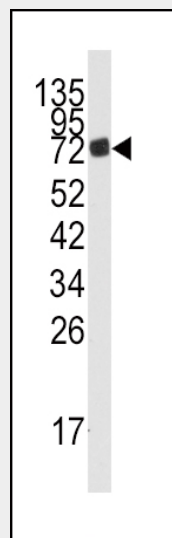
Function AMP deaminase plays a critical role in energy metabolism.

AMPD3 Antibody (Center) - Protocols

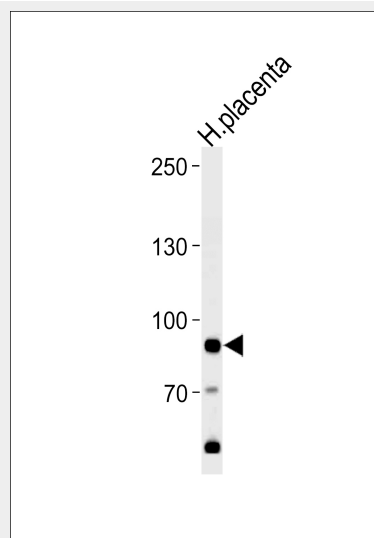
Provided below are standard protocols that you may find useful for product applications.

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

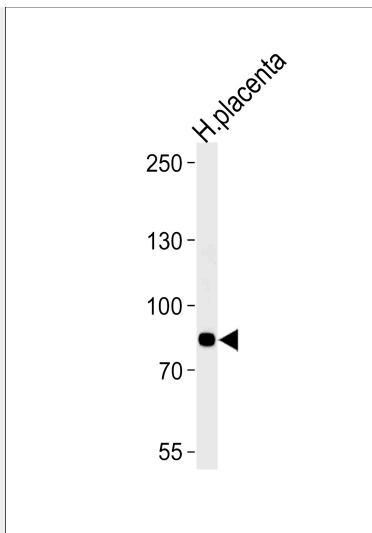
AMPD3 Antibody (Center) - Images



Western blot analysis of anti-AMPD3 Antibody (Center) (Cat.#AP7869c) in mouse lung tissue lysates (35ug/lane). AMPD3 (arrow) was detected using the purified Pab.



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



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).

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)