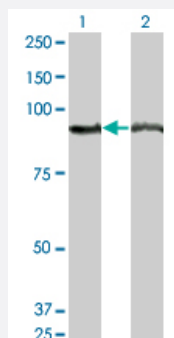


AMPD2 monoclonal antibody (M04A), clone 2G8

Catalog # H00000271-M04A

Size 200 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of AMPD2 expression in transfected 293T cell line by AMPD2 monoclonal antibody (M04A), clone 2G8.

Lane 1: AMPD2 transfected lysate(92.1 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant AMPD2.
Immunogen	AMPD2 (NP_631895, 86 a.a. ~ 185 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ISQDVKLEPDILLRAKQDFLKTDSDSDLQLYKEQGEGQGDRSLRERDVLEREFQRVVISGEEKCGVPFTDLLDAAKSVVRALFIREKYMALSLQSFCTT
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (96); Rat (96)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of AMPD2 expression in transfected 293T cell line by AMPD2 monoclonal antibody (M04A), clone 2G8.

Lane 1: AMPD2 transfected lysate(92.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — AMPD2

Entrez GeneID	271
GeneBank Accession#	NM_139156
Protein Accession#	NP_631895
Gene Name	AMPD2
Gene Alias	-
Gene Description	adenosine monophosphate deaminase 2 (isoform L)
Omim ID	102771
Gene Ontology	Hyperlink

Gene Summary

Adenosine monophosphate deaminase-2 (EC 3.5.4.6) catalyzes the deamination of AMP to IMP and plays an important role in the purine nucleotide cycle.[supplied by OMIM]

Other Designations

AMP deaminase 2|OTTHUMP00000013369|OTTHUMP00000013371

Publication Reference

- [Effects of Pharmacological AMP Deaminase Inhibition and Ampd1 Deletion on Nucleotide Levels and AMPK Activation in Contracting Skeletal Muscle.](#)

Plaideau C, Lai YC, Kviklyte S, Zanou N, Lofgren L, Andersen H, Vertommen D, Gailly P, Hue L, Bohlooly-Y M, Hallen S, Rider MH.

Chemistry & Biology 2014 Nov; 21(11):1497.

Application: WB-Ti, Mouse, Skeletal muscles

- [Uric acid-dependent inhibition of AMP kinase induces hepatic glucose production in diabetes and starvation: evolutionary implications of the uricase loss in hominids.](#)

Cicerchi C, Li N, Kratzer J, Garcia G, Roncal-Jimenez CA, Tanabe K, Hunter B, Rivard CJ, Sautin YY, Gaucher EA, Johnson RJ, Lanaspa MA.

FASEB Journal 2014 Aug; 28(8):3339.

Application: WB-Ti, WB-Tr, Mouse, Liver, HepG2 cells

Pathway

- [Biosynthesis of plant hormones](#)
- [Metabolic pathways](#)
- [Purine metabolism](#)

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Coronary Artery Disease](#)