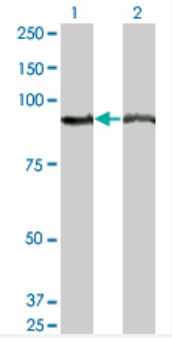
AMPD2 monoclonal antibody (M04A), clone 2G8

Catalog # H00000271-M04A Size 200 uL

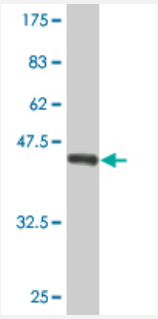
Applications



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	ISQDVKLEPDILLRAKQDFLKTDSDSDLQLYKEQGEGQGDRSLRERDVLEREFQRVTISGEEKCGVPFTDLLDAAKSVVRALFIREKYMALSLQSFCPTT
Host	Mouse
Reactivity	Human

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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

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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

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