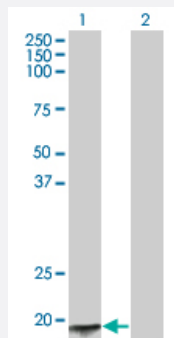


ACYP2 monoclonal antibody (M06), clone 2H7

Catalog # H00000098-M06

Size 100 ug

Applications

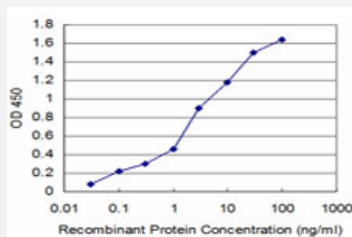


Western Blot (Transfected lysate)

Western Blot analysis of ACYP2 expression in transfected 293T cell line by ACYP2 monoclonal antibody (M06), clone 2H7.

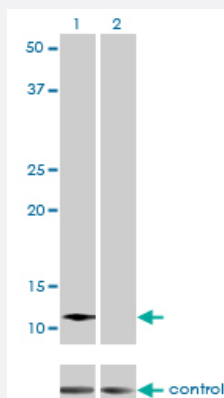
Lane 1: ACYP2 transfected lysate(11.1 KDa).

Lane 2: Non-transfected lysate.



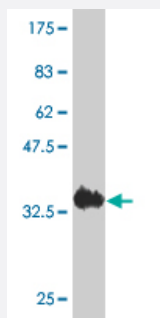
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACYP2 is approximately 0.1ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of ACYP2 over-expressed 293 cell line, cotransfected with ACYP2 Validated Chimera RNAi (Cat # H00000098-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with ACYP2 monoclonal antibody (M06), clone 2H7 (Cat # H00000098-M06). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (36.52 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ACYP2.
Immunogen	ACYP2 (NP_612457, 1 a.a. ~ 98 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSTAQSLKSVDYEVFGRVQGVCFRMYTEDEARKIGVVGWVKNTSKGTVTGQVQGPEDKVNSMK SWLSKVGSPSSRIDRTNFSNEKTISKLEYSNFSIR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (88)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

● Western Blot (Transfected lysate)

Western Blot analysis of ACYP2 expression in transfected 293T cell line by ACYP2 monoclonal antibody (M06), clone 2H7.

Lane 1: ACYP2 transfected lysate(11.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACYP2 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of ACYP2 over-expressed 293 cell line, cotransfected with ACYP2 Validated Chimera RNAi (Cat # H00000098-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with ACYP2 monoclonal antibody (M06), clone 2H7 (Cat # H00000098-M06). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — ACYP2

Entrez GeneID [98](#)

GeneBank Accession# [NM_138448](#)

Protein Accession# [NP_612457](#)

Gene Name ACYP2

Gene Alias ACYM, ACYP

Gene Description acylphosphatase 2, muscle type

Omim ID [102595](#)

Gene Ontology [Hyperlink](#)

Gene Summary Acylphosphatase can hydrolyze the phosphoenzyme intermediate of different membrane pumps, particularly the $\text{Ca}^{2+}/\text{Mg}^{2+}$ -ATPase from sarcoplasmic reticulum of skeletal muscle. Two isoenzymes have been isolated, called muscle acylphosphatase and erythrocyte acylphosphatase on the basis of their tissue localization. This gene encodes the muscle-type isoform (MT). An increase of the MT isoform is associated with muscle differentiation. [provided by RefSeq]

Other Designations acylphosphate phosphohydrolase|muscle-type acylphosphatase 2

Pathway

- [Benzoate degradation via CoA ligation](#)
- [Pyruvate metabolism](#)

Disease

- [Carcinoma](#)
- [Cerebral Hemorrhage](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)