

AHCYL1 Antibody (monoclonal) (M03)**Mouse monoclonal antibody raised against a partial recombinant AHCYL1.****Catalog # AT1070a****Specification**

AHCYL1 Antibody (monoclonal) (M03) - Product Information

Application	WB, E
Primary Accession	O43865
Other Accession	NM_006621
Reactivity	Human, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	58951

AHCYL1 Antibody (monoclonal) (M03) - Additional Information**Gene ID** 10768**Other Names**

Putative adenosylhomocysteinase 2, AdoHcyase 2, DC-expressed AHCY-like molecule, IP(3)Rs binding protein released with IP(3), IRBIT, S-adenosyl-L-homocysteine hydrolase 2, S-adenosylhomocysteine hydrolase-like protein 1, AHCYL1, DCAL, XPVKONA

Target/Specificity

AHCYL1 (NP_006612, 1 a.a. ~ 101 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

AHCYL1 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

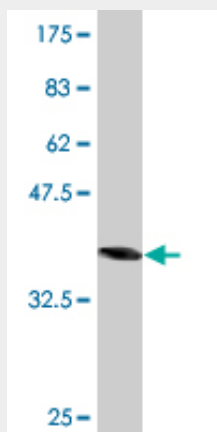
AHCYL1 Antibody (monoclonal) (M03) - Protocols

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

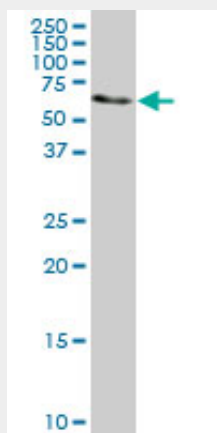
- [Western Blot](#)

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

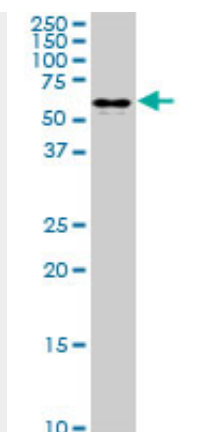
AHCYL1 Antibody (monoclonal) (M03) - Images



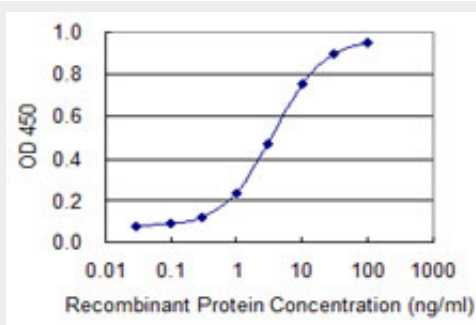
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.85 KDa) .



AHCYL1 monoclonal antibody (M03), clone 1B3. Western Blot analysis of AHCYL1 expression in HeLa (Cat # AT1070a)



AHCYL1 monoclonal antibody (M03), clone 1B3. Western Blot analysis of AHCYL1 expression in PC-12 (Cat # AT1070a)



Detection limit for recombinant GST tagged AHCYL1 is 0.1 ng/ml as a capture antibody.

AHCYL1 Antibody (monoclonal) (M03) - References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732. An IRBIT homologue lacks binding activity to inositol 1,4,5-trisphosphate receptor due to the unique N-terminal appendage. Ando H, et al. J Neurochem, 2009 Apr. PMID 19220705. Proteomic analysis reveals Hrs ubiquitin-interacting motif-mediated ubiquitin signaling in multiple cellular processes. Pridgeon JW, et al. FEBS J, 2009 Jan. PMID 19019082. IRBIT, an inositol 1,4,5-trisphosphate receptor-binding protein, specifically binds to and activates pancreas-type Na⁺/HCO₃⁻ cotransporter 1 (pNBC1). Shirakabe K, et al. Proc Natl Acad Sci U S A, 2006 Jun 20. PMID 16769890. Suppression and overexpression of adenosylhomocysteine hydrolase-like protein 1 (AHCYL1) influences zebrafish embryo development: a possible role for AHCYL1 in inositol phospholipid signaling. Cooper BJ, et al. J Biol Chem, 2006 Aug 11. PMID 16754674.