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# ABHD5 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant ABHD5.
Catalog # AT1013a

## Product Information

| | |
|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q8WTS1 |
| **Other Accession** | NM_016006 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG1 Kappa |
| **Clone Names** | 4B12 |
| **Calculated MW** | 39096 |

## Additional Information

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|---|---|
| **Gene ID** | 51099 |
| **Other Names** | 1-acylglycerol-3-phosphate O-acyltransferase ABHD5, Abhydrolase domain-containing protein 5, Lipid droplet-binding protein CGI-58, ABHD5, NCIE2 |
| **Target/Specificity** | ABHD5 (NP_057090, 240 a.a. ~ 342 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** | ABHD5 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures. |

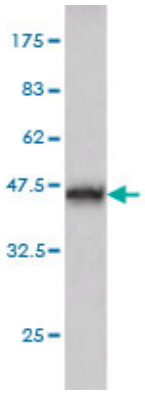
## Background

The protein encoded by this gene belongs to a large family of proteins defined by an alpha/beta hydrolase fold, and contains three sequence motifs that correspond to a catalytic triad found in the esterase/lipase/thioesterase subfamily. It differs from other members of this subfamily in that its putative catalytic triad contains an asparagine instead of the serine residue. Mutations in this gene have been associated with Chanarin-Dorfman syndrome, a triglyceride storage disease with impaired long-chain fatty acid oxidation.

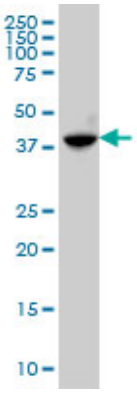
## References

1.The Cannabinoid Receptor Agonist THC Attenuates Weight Loss in a Rodent Model of Activity-Based Anorexia.Verty AN, Evetts MJ, Crouch GJ, McGregor IS, Stefanidis A, Oldfield BJ.Neuropsychopharmacology. 2011 Jun;36(7):1349-58. Epub 2011 Mar 16.2.Adipose triacylglycerol lipase deletion alters whole body energy metabolism and impairs exercise performance in mice.Huijsman E, van de Par C, Economou C, van der Poel C, Lynch GS, Schoiswohl G, Haemmerle G, Zechner R, Watt MJ.Am J Physiol Endocrinol Metab. 2009 Aug;297(2):E505-13. Epub 2009 Jun 2.3.Adipose Triglyceride Lipase Regulation of Skeletal Muscle Lipid Metabolism and Insulin Responsiveness.Watt MJ, van Denderen BJ, Castelli LA, Bruce CR, Hoy AJ, Kraegen EW, Macaulay L, Kemp BE.Mol Endocrinol. 2008 May;22(5):1200-12. Epub 2008 Jan 17.

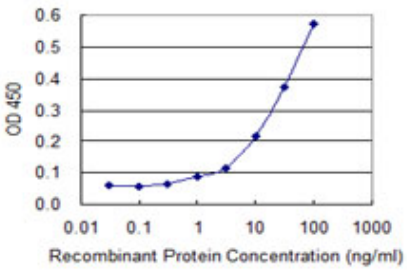
## Images




Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.07 KDa) .




ABHD5 monoclonal antibody (M02), clone 4B12 Western Blot analysis of ABHD5 expression in A-431 ( (Cat # AT1013a )




Detection limit for recombinant GST tagged ABHD5 is 0.3 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.