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Datasheet for ABIN565527

anti-ABHD5 antibody (AA 240-342)

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Overview

Quantity:	100 µg
Target:	ABHD5
Binding Specificity:	AA 240-342
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ABHD5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant ABHD5.
Immunogen:	ABHD5 (NP_057090, 240 a.a. ~ 342 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	FEDDTVTEYI YHCNVQTPSG ETAFKNMTIP YGWAKRPLQ RIGKMHPDIP VSVIFGARSC IDGNSGTSIQ SLRPHSYVKT IAILGAGHYV YADQPEEFNQ KVK
Clone:	4B12
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	ABHD5
Alternative Name:	ABHD5 (ABHD5 Products)
Background:	Full Gene Name: abhydrolase domain containing 5 Synonyms: CDS,CGI58,IECN2,MGC8731,NCIE2
Gene ID:	51099
NCBI Accession:	NM_016006
Pathways:	Lipid Metabolism

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

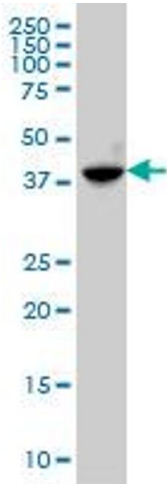
Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

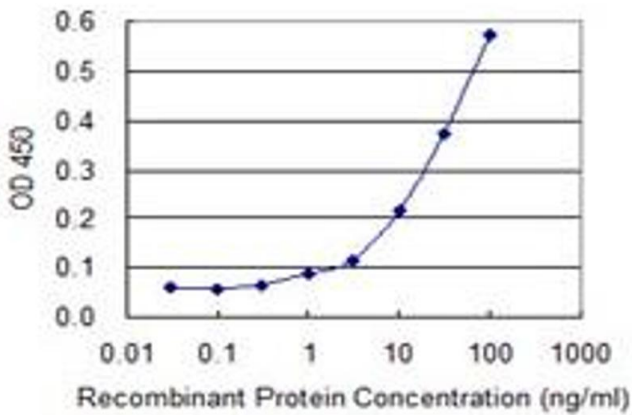
Product cited in:	<p>Verty, Evetts, Crouch, McGregor, Stefanidis, Oldfield: "The cannabinoid receptor agonist THC attenuates weight loss in a rodent model of activity-based anorexia." in: Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, Vol. 36, Issue 7, pp. 1349-58, (2011) (PubMed).</p> <p>Huijsman, van de Par, Economou, van der Poel, Lynch, Schoiswohl, Haemmerle, Zechner, Watt: "Adipose triacylglycerol lipase deletion alters whole body energy metabolism and impairs exercise performance in mice." in: American journal of physiology. Endocrinology and metabolism, Vol. 297, Issue 2, pp. E505-13, (2009) (PubMed).</p> <p>Watt, van Denderen, Castelli, Bruce, Hoy, Kraegen, Macaulay, Kemp: "Adipose triglyceride lipase regulation of skeletal muscle lipid metabolism and insulin responsiveness." in: Molecular</p>
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Images



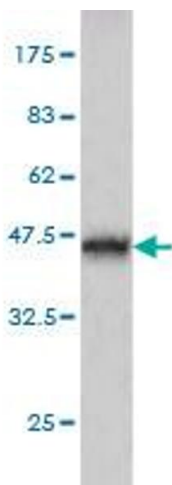
Western Blotting

Image 1. ABHD5 monoclonal antibody (M02), clone 4B12 Western Blot analysis of ABHD5 expression in A-431 .



ELISA

Image 2. Detection limit for recombinant GST tagged ABHD5 is 0.3 ng/ml as a capture antibody.



Western Blotting

Image 3. Western Blot detection against Immunogen (37.07 KDa) .