

AibGenesis™ Mouse Anti-Fa2H Antibody (CBMOAB-16500FYA)

Cat. No.: CBMOAB-16500FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO16500FYA
Specificity	This antibody binds to fruit fly Fa2H.
Format	Liquid or Lyophilized
Storage	Store at 4°C: short-term (1-2weeks) Store at -20°C: long-term and future use
Purity	> 90% was determined by SDS-PAGE
Purification	Purified with Protein A or G affinity chromatography
Cellular Localization	Endoplasmic reticulum; Other locations

Application-Information

Application	WB, ELISA
Application Notes	ELISA: 1:1000-1:3000 Other applications are to be developed. The optimal dilution should be determined by the end user.

Target

Introduction	This gene encodes a protein that catalyzes the synthesis of 2-hydroxysphingolipids, a subset of sphingolipids that contain 2-hydroxy fatty acids. Sphingolipids play roles in many cellular processes and their structural diversity arises from modification of the hydrophobic ceramide moiety, such as by 2-hydroxylation of the N-acyl chain, and the existence of many different head groups. Mutations in this gene have been associated with leukodystrophy dysmyelinating with spastic paraparesis with or without dystonia. (From NCBI)
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Product Overview	Mouse Anti-D. melanogaster Fa2H Antibody is a mouse antibody against Fa2H. It can be used for Fa2H detection in Western Blot, Enzyme-Linked Immunosorbent Assay.
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Protein Refseq

The length of the protein is 355 amino acids long.

The sequence is show below: MPIDMDIPKEAESNDKFIVKYRQQYYDLRSRFMHKHPGGINTLKGLNSGDMT
ARFLKAPPH SDAAMYLREYKIDPEDSRKPKSSQRETLHDEDEGTLRQRPRETEDKNNNQVDDSMELV
DWSKAMLPQIANITDCYDEWVHKPVDRPLRLFDPWYLEMCTKTPWWLVPLFWIPVIVKCA VEEFTTAWQD
SNQLAVFSGYFLFGVLLWSFLEYTLHRWVFHVKLSNKSWSLCTFFHMIH GLHHKVPFDPMRLVFPPLPG
AVLAAVIYTPLSFVLSHPRVILSGALAGYLCYDMMHYLLH YGNPSLWAFVHMKRYHHHHFHSHTLGYGIS
SPLWDVVFKTIRHLRKLRYQLRWS.

Sub Cat	Clonalit Species Reactiv Applicatio			Clone	Conjugate	Size
	y	ity	n			
CBMOAB-75666F	Monoclon	Zebrafish (<i>Danio rer</i>	WB, ELISA	MO75666F	Unconjugated; also available for Biotin; HRP; FITC and other 100 µ	
YA	al	io)		A	labeled form.	g

Protein Refseq: The length of the protein is 377 amino acids long.

The sequence is show below: MSTKMSPSLSPRFFSEKEVAKHCTKDSCWVLLGTRVYDVTAFLRMHPGGEALILRRSGKDISLEIEGPPHRHSEN
ARRWMEQYYIGELDR DSTDEDETEELRQRKKIPESITEEEEETTSAINCKSKVDEETDLVDWRKPLAWQVGHLEGEYDWTWHQPVDRIPLFGN
DFFEANTKTSW YMVPIVWMPLVIYLSWYCYSLLAQETTRLVISSDYSILVHKYSFPFIFALGMFLWSFIEYCIHRFVFHMRPPAHNYYLITLHFLHGG
QHH KSPFDGSRLVFPPSLAAVIGLFYTLQQLLVEGLGTSLVGGGLCGYVVYDMMHYLLHYGSPSKGSYLYGLKAYHVKHHEHQKSGFGIT TT
FWDHPFKTVIPEQTF.

MO-AB-03429H	Monoclon	Frog (<i>Xenopus laevi</i>	WB, ELISA	MO03429C	Unconjugated; also available for Biotin; HRP; FITC and other 100 µ	
	al	s)			labeled form.	g

Protein Refseq: The length of the protein is 369 amino acids long.

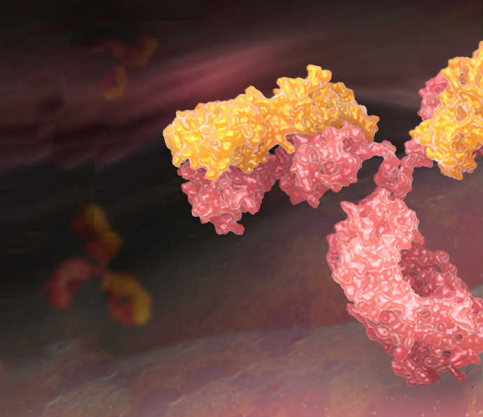
The sequence is show below: MASRRVSPVELRDKCSAGKCWVLVGNKVYDVSAFVNLHPGGERLLQDRAGKDIQADLNGAPHRHSENARRWL
EQYYVGELEPQEKPQNL KEKAQQYSSATDHKDVSTGIQKFTFSPETDLVDWEKPLLWQVGHLEKYDEWVHQPINRPIRLFHSDFVESCSKTA
WYIVLSVWVPVLY LSWYCLTELAQGNTRIFSSFTKDYSPVPVFFFLPLFLIGVLIWTLMEYAIHRFVFHMMNPASNYLITLHFMLHGQHHKAPF
DSSRLVF PPVPASFVPIPLYILVQLIFPIVGLSIFVGGFLGYVAYDMTHYYLHYGSPSKGSYLAWLKSYPVRRHHEHQKSGFGITSTLWDRPFNTL I
PEDKDKDS.

MO-AB-55213W	Monoclon	Marmoset	WB, ELISA	MO55213W	Unconjugated; also available for Biotin; HRP; FITC and other 100 µ	
	al				labeled form.	g

Protein Refseq: The length of the protein is 372 amino acids long.

The sequence is show below: MAPAPPPAASFSPSEVQRRLAAGACWVRRGARLYDLSSFVRHHPGGEQLLRARAGQDISADLDGPPHRHSANA
RRWLEQYYVGELRGDPQ GSMENEAVAFEETQKTDPEARFKVVDSDKDLVDWQKPLLWQVGHLEKYDEWVHQPVTRPIRLFQSDLIEGLS
KTVWYSVPVIWVPLV LYSWSYRTFAQGNVRLFASFTEHAVAPKSMFPGLFMLGIFLWSLIEYCIHRFLFHMKPPSDSYLLITLHFVMHGQHH

Sub Cat	Clonalit	Species	Reactiv	Applicatio	Clone	Conjugate	Size
	y	ity		n			
KAPFDGSRL VFPPVPASLAIGVFYVCLQLILPEAVGGTLFAGGLLGYVLYDMTHYYLHFGSPPKGSYLYNMKAHHVKHHFAHQMSGFGISTKLWD							
YCFH TLTPEKLHLKTQ.							



AibGenesis™

is an advanced AI-driven platform designed to create novel antibody sequences with unprecedented speed and precision. By integrating deep learning, structure prediction, and comprehensive immunological datasets, **AibGenesis™** intelligently designs antibodies optimized for affinity, stability, and developability. The platform generates antibody products that support basic scientific research, drug development, and diagnostic applications.