

AibGenesis™ Mouse Anti-Dbi Antibody (CBMOAB-14624FYA)

Cat. No.: CBMOAB-14624FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO14624FYA
Specificity	This antibody binds to fruit fly Dbi.
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

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 diazepam binding inhibitor, a protein that is regulated by hormones and is involved in lipid metabolism and the displacement of beta-carbolines and benzodiazepines, which modulate signal transduction at type A gamma-aminobutyric acid receptors located in brain synapses. The protein is conserved from yeast to mammals, with the most highly conserved domain consisting of seven contiguous residues that constitute the hydrophobic binding site for medium- and long-chain acyl-Coenzyme A esters. Diazepam binding inhibitor is also known to mediate the feedback regulation of pancreatic secretion and the postprandial release of cholecystokinin, in addition to its role as a mediator in corticotropin-dependent adrenal steroidogenesis. Three pseudogenes located on chromosomes 6, 8 and 16 have been identified. Multiple transcript variants encoding different isoforms have been described for this gene. (From NCBI)

Product Overview Mouse Anti-D. melanogaster Dbi Antibody is a mouse antibody against Dbi. It can be used for Dbi detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq The length of the protein is 86 amino acids long.
The sequence is show below: MVSEQFNAAAEEKVSLTKRPSDDEFLQLYALFKQASVGDNDTAKPGLLDLK GKAKWEAWN KQKGKSSEAAQQEYITFVEGLVAKYA.

Sub Cat	Clonalit y	Species	Reactivity	Applicati on	Clone	Conjugate	Size
CBMOAB-40420 FYA	Monoclonal	Rhesus (<i>Macaca mulatta</i>)		WB, ELISA	MO40420F YA	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Protein Refseq: The length of the protein is 88 amino acids long.
The sequence is show below: MTAFAEFEKAAEEVKRLKTKPADDEMLFIYGRYKQATVGDINTERPGMLDFTGKAKWDAWNELKGTTKEDAMKAYIDKVEELKKKYGI.

CBMOAB-72963 FYA	Monoclonal	Zebrafish (<i>Danio rerio</i>)		WB, ELISA	MO72963F YA	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 87 amino acids long.
The sequence is show below: MSEAEFLKAAEEVKQLKAKPTDAEMLEIYSLYKQATVGDVNTARPGMLDFTGKAKWDAWDAKKGTSKEDAVKAYIAKVEELKGKYGI.

MO-AB-01840W	Monoclonal	Rhesus (<i>Macaca mulatta</i>)		WB, ELISA	MO01840W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 98 amino acids long.
The sequence is show below: MWGDLWPLPPASANPGTGTEAEFEKAAEEVKRLKTKPADDEMLFIYGRYKQATVGDINTERPGMLDFTGKAKRD
AWIELKGTIKEDAIKAYIDKVEEL.

MO-AB-24358W	Monoclonal	Chimpanzee (<i>Pan troglodytes</i>)		WB, ELISA	MO24358W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 87 amino acids long.
The sequence is show below: MSQAEFEKAAEEVRHLKTKPSDEEMLFYGHYKQATVGDINTERPGMLDFTGKAKWDAWNELKGTSKEDAMKAYINKVEELKKKYGI.

MO-AB-26488W	Monoclonal	Chimpanzee (<i>Pan troglodytes</i>)		WB, ELISA	MO26488W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
Protein Refseq: The length of the protein is 104 amino acids long. The sequence is show below: MWGDLWLLPPASANLRTGTEAEFEKAAEEVRHLKTKPSDEEMLFYGHYKQATVGDINTERPGMLDFTGKAKWD AWNELKGTSKEDAMKA YINKVEELKKKYGI.						
MO-AB-30108W	Monoclonal	Dog (<i>Canis lupus familiaris</i>)	WB, ELISA	MO30108W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 137 amino acids long. The sequence is show below: GGLGGEAGSGVGEGPRWKDGARGRSSPSGRSGQGEGRHAERRSKEVPADRLEAEFDKAAEDVKHLKTKPA DDEMLYIYSHYKQATVGDI NTERPGLDLRGKAKWDAWNQLKGTSKEDAMKAYVNKVEDLKKKYGI.						
MO-AB-53927W	Monoclonal	Marmoset	WB, ELISA	MO53927W	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 87 amino acids long. The sequence is show below: MSQAEFEKAAEEVKNLKTKPGDDEMLFIYGHYKQATVGDINTERPGMLDFKGGKAKWDAWNELKGTTKEDAMKA YINKVEELKKKYGM.						
MO-AB-11192R	Monoclonal	Cattle (<i>Bos taurus</i>)	WB, ELISA	MO11192R	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 87 amino acids long. The sequence is show below: MSQAEFDKAAEEVKHLKTKPADEEMLFYSHYKQATVGDINTERPGMLDFKGGKAKWDAWNELKGTSKEDAMKAY IDKVEELKKKYGI.						
MO-AB-25303R	Monoclonal	Pig (<i>Sus scrofa</i>)	WB, ELISA	MO25303R	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 78 amino acids long. The sequence is show below: MSQAEFEKAAEEVKNLKTKPADDEMLFIYSHYKQATVGDINTERPGILDKGGKAKWDAWNGLKGTSKEDAMKAYI NKV.						
MO-AB-02869H	Monoclonal	Frog (<i>Xenopus laevis</i>)	WB, ELISA	MO02869C	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
Protein Refseq: The length of the protein is 116 amino acids long. The sequence is show below: MSYDYSTKEMPYVSLTPAGHSTSHCFPPFQAAFEKAAEEVKQLKSTPADEEMLETYALYKQATVGDVNTDRP GMLDFKGGKAKWDAWNK KKGTSKEDAMAQYVEFVEKLKGKYGC.						
MO-AB-23123H	Monoclonal	Mallard (<i>Anas platyrhynchos</i>)	WB, ELISA	MO23123C	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg

Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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Protein Refseq: The length of the protein is 46 amino acids long.

The sequence is show below: SDRPGMLDFKGKAKWDAWNALKGMSKEDAMKAYVAKVEELKGKYGI.

MO-AB-25282H	Monoclonal	Rat (<i>Rattus norvegicus</i>)	WB, ELISA	MO25282C	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 87 amino acids long.

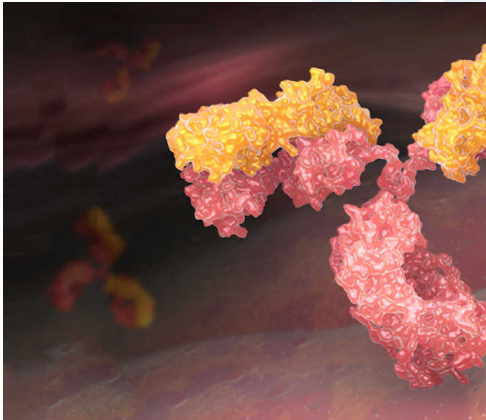
The sequence is show below: MSQADFDKAAEEVKRLKTQPTDEEMLFYSHFKQATVGDVNTDRPGLLDLKGKAKWDSWNKLKGTSKENAMKTYVEKVEELKKKYGI.

MO-AB-01552Y	Monoclonal	Chicken (<i>Gallus gallus</i>)	WB, ELISA	MO01552Y	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 87 amino acids long. The sequence is show below: MSEAAFQKAAEEVKQLKSQPTDQEMLDVYSHYKQTTVGDVNTDRPGMLDFKGKAKWDAWNALKGMSKEDAMKAYVAKVEELKGKYGI.

MO-AB-07869Y	Monoclonal	Rabbit (<i>Oryctolagus cuniculus</i>)	WB, ELISA	MO07869Y	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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Protein Refseq: The length of the protein is 87 amino acids long. The sequence is show below: MSQAEFEKAAEEVKNLKTKPADAEMLFYSHYKQATVGDVNTERPGMLDLKGKAKWDAWNEKLGTSKESAMRAYVDKVEELKQKYGI.



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.