

AibGenesis™ Mouse Anti-BAG4 Antibody (CBMOAB-25040FYC)

Cat. No.: CBMOAB-25040FYC

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO25040FC
Specificity	This antibody binds to Arabidopsis BAG4.
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	Cytosol

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	The protein encoded by this gene is a member of the BAG1-related protein family. BAG1 is an anti-apoptotic protein that functions through interactions with a variety of cell apoptosis and growth related proteins including BCL-2, Raf-protein kinase, steroid hormone receptors, growth factor receptors and members of the heat shock protein 70 kDa family. This protein contains a BAG domain near the C-terminus, which could bind and inhibit the chaperone activity of Hsc70/Hsp70. This protein was found to be associated with the death domain of tumor necrosis factor receptor type 1 (TNF-R1) and death receptor-3 (DR3), and thereby negatively regulates downstream cell death signaling. The regulatory role of this protein in cell death was demonstrated in epithelial cells which undergo apoptosis while integrin mediated matrix contacts are lost. Alternatively spliced transcript variants encoding distinct isoforms have been identified. (From NCBI)
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Product Overview

Mouse Anti-Arabidopsis BAG4 Antibody is a mouse antibody against BAG4. It can be used for BAG4 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq

The length of the protein is 269 amino acids long. The sequence is show below: MMHNSTEESEWEVRPG
GMLVQRRDDAASSDHKPLQDPDSASAAFAQTIRITVSHGSSSHD LHisAHATFGDVKKALVQKTGLEASEL
KILFRGVERDDAEQLQAAGVKDASKLVVVVEDT NKRVEQQPPVVTKEMEKAIAAVNAVTEVDKLSDRVVA
LEVAVNGGTQVAVREFDMAEL LMRQLLKLDGIEAEGDAKVQRKAEVRRIQNLQEAVDKLKARCSNPFVD
QSKAAAVSTEWESFGNGVGS LNPPPPASPSANVTQDWEKFD.

Sub Cat	Clonalit	Species	Reactiv	Applicatio	Clone	Conjugate	Size
	y	ity	n				
CBMOAB-67382F	Monoclon	Zebrafish (<i>Danio rer</i>		WB, ELISA	MO67382FY	Unconjugated; also available for Biotin; HRP; FITC and other 100 μ	
YA	al	io)			A	labeled form.	g

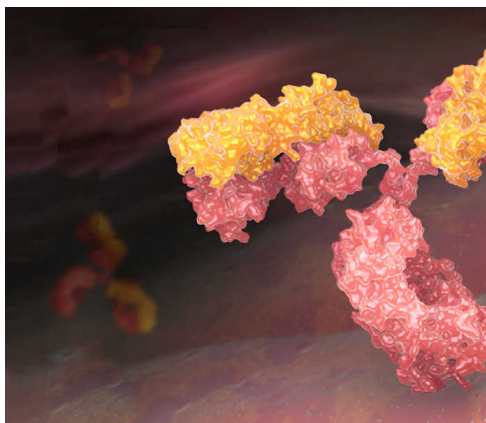
Protein Refseq: The length of the protein is 399 amino acids long.

The sequence is show below: MAFDSAGSDRGRGEASWIMHQQMQPETKSPWPSSYKSENNNVNWNNGMESQYPGYSSYWYPQSHTAGPYG
SSYPPGTEVNGQASYNPQAM PAYPNGVYNPGQYSTSMLHPSNPFYCSQDQVPSRQPHYHNQSCPEQNAGGSTHPPYPVPHCQAAPGYAGS
YPHYPEGCPQNA PYPNQPV LSRPQHEAWSHTQG YGPTLPQQQWPSDSQTPHSHYGSHVRPPHPPPWQGPAPPPYEHKDPPYQSQPHMQ
PKNQPAGSRPRVSTPNSSALP PKPTQFSSPPQIYKTSSGVGGLEPKPAQNEQPPMSSPPASSMPAPLKD NSSLARVQQILARVQLLQEDVDEFV
GKKTDKSYRCLEELLTK ELLELDSVETYGQDVVRQARKEAVRRIQAILECLEKKAF.

MO-AB-51718W	Monoclon	Marmoset	WB, ELISA	MO51718W	Unconjugated; also available for Biotin; HRP; FITC and other 100 μ	
	al				labeled form.	g

Protein Refseq: The length of the protein is 457 amino acids long.

The sequence is show below: MSALRRSGYGPSDGP SYGRYYGPGGGDVPVHPPPLYPLRPEPPQPPISWRMRGGGPAETTWLGE GGGGDG
YYPSSGAWPEPGRAGGSHQ EQPPYPSYNSNYWNSSARSRAPYPSTYPVRPELQGGSLNSYTN GAYGPTYPPGPGANTASYSGAYYAPGYTQ
TSYSTEVPSTYRSPGNP TPVSRWIYPQQDCQTEAPPLRGQVPGYPTSQNPGMTLPHYPYGDGNRSVPQSGPTIRPQEDAWASPGAYGMGV
RYPWPSSAPSAPPGNLY MTENTSPWPSSGSPQSPSSPPLQPKDSSYPYSQSDQSMNRHNFPCSVHQYESSGTVNNDSDLLDSQVQYSAE
PQLYGNATSDHPNNQD QSNLPEECVPSDESTPPSIKKIIVLEKVQYLEQEVEEFVGKTKDKAYWLL EEMLTKELELDSVETGGQDSVRQARK
EAVCKIQAILE KLEKKGL.



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.