

AibGenesis™ Mouse Anti-Pick1 Antibody (CBMOAB-27694FYA)

Cat. No.: CBMOAB-27694FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO27694FYA
Specificity	This antibody binds to fruit fly Pick1.
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	Endosome; Golgi apparatus; Plasma Membrane; 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	The protein encoded by this gene contains a PDZ domain, through which it interacts with protein kinase C, alpha (PRKCA). This protein may function as an adaptor that binds to and organizes the subcellular localization of a variety of membrane proteins. It has been shown to interact with multiple glutamate receptor subtypes, monoamine plasma membrane transporters, as well as non-voltage gated sodium channels, and may target PRKCA to these membrane proteins and thus regulate their distribution and function. This protein has also been found to act as an anchoring protein that specifically targets PRKCA to mitochondria in a ligand-specific manner. Three transcript variants encoding the same protein have been found for this gene. (From NCBI)
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Product Overview

Mouse Anti-D. melanogaster Pick1 Antibody is a mouse antibody against Pick1. It can be used for Pick1 detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq

The length of the protein is 577 amino acids long.

The sequence is show below: MLTDEDDFFFEEDKMPELLIQLDGDGAQAVRQPKERTEQREHASGSVA PNEATVMLCS PAGFSCDSASGDRFGIESASRQKYELDRLGMTVSTNAVITKDQSNLIGISIGGGAPMCP C LYIVQIFDGTTPAAREGSLQSGDELLAVNSVSVKGKTKVEVAKMIQTATDEVVIHYNKLH ADPEQGKTLDIILKK LKHRIVDNLSSNTADTLGLSRAILCNDLSLVKRLEEELEGTELMYKG LVEHARRMLKAYYDLLQTYKSFGDCFT QISVHEPQQRASEAFRTFGEFHRTLEKDGII KQIKPVLADLGTYNKAIPDTKLTVRRYADAKFTYLSYCL KVKEMDDEEHGFAALQEPLY RVETGNYEYRLILRCRQDARSKFAKLRTDVLEKMELLECKHAMDLNKQLR SLLESLAELH RSLVDRDLSPPLFPIEVDFKETDFQYKSSTLKPQELDDDEIEANNHPHSTPSQVDCGFE AV EQPAAIINVEAAKASVDSSTLQSASENETLLKELGLYDVDLLSNPQTISNQKDSIAAQ NDGYDFDLFLNQATA ATTSLERDLMSNAEEMDLLLQ.

Sub Cat	Clonality	Species	Reactivity	Application	Clone	Conjugate	Size
CBMOAB-92562	Monoclonal	Zebrafish (<i>Danio rerio</i>)	WB, ELISA	MO92562F	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg	
Protein Refseq: The length of the protein is 406 amino acids long.							
The sequence is show below: MFTDMDYELEEDKLGITVPGTVTLKKDSQNLIGISIGGGAQFCPLYIVQVFDNTAAALDGTLAGDEITGVNGKPKVKGKTKVEVAKMI QAVQGEVVIQYNKLQADPKQGKSLDIVLKKVKHRLVENMSSGTADALGLSRAILCNDGLVKRLEEELEKTAELYKGLMEHTKRL LRAFYEL SQTHRAFGDVFSVIGVREPQAAASEAFVKFAEAHRNMEKFGIQLLTKIKPMLHDLNTYLHKAIPDTKLTIRKYLDVKFGYLSYCLKVKEM DDEEYSCIALGDPLYRVSTGNYEYRLVLRRCRQEARARFAKMRKDVLEKIELLDQKHVQDIVFQLQRFVSGMSHYYDDCYAVLKDADVFI EVDLSRTMINYSGQSLTYEDEDEEETSRAQNQQQEENGAEKLIDDQ.							
MO-AB-06259H	Monoclonal	Frog (<i>Xenopus laevis</i>)	WB, ELISA	MO06259C	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg	
Protein Refseq: The length of the protein is 405 amino acids long.							
The sequence is show below: MFSDLDYDYEEDKLGITVPGTVTLKKDSQNVIGISIGGGAQHCPCLYIVQVFDNTPAALDGTIAAGDEITGVNSKSKVKGKTKVEVAKMI QNVKGEVIIHYNKLQADPKQGKSLDIVLKKVKHRLVENMSSGAADALGLSRAILCNDGLVKKLEELEKTGEFYRGMMEHTKRL LRAFFEL SQTHRAFGDVFSVIGVREPQPAASEAFVKFADAHRSIEKFGIGLLTKIKPMLNDLNTYLNKAIPDTRLTIRKYLDVKFEYLSYCLKVKEM DDEEYSSIALGEPLYRVGTGNYEYRLILRCRQEARTFAKMRKDVLEKIELLDQKHVQDIVFQLQRFVSTMSKYNDQCYAVLKEADIFPI EVDLAKTTLACGQGETFTDGTDEEEEDQTEKRKEEENGEKLIDDA.							
MO-AB-17063W	Monoclonal	Chimpanzee (<i>Pan troglodytes</i>)	WB, ELISA	MO17063W	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 416 amino acids long.

The sequence is show below: MFADLDYDIEEDKLGIPVPGKVTLQKDAQNLIGISIGGGAQYCPLYIVQVFDNTPAALDGTVAAGDEITGVNGRS
IKGKTKVEVAKMI QEVKGEVTIHYNKLQADPKQGMSLDIVLKKVKHRLVENMSSGTADALGLSRAILCNDGLVKRLEELERTAELYKGMTEHTKNLL
RAFYEL SQTHRAFGDVFSVIGVREPQPAASEAFVKFADAHRSIEKFGIRLLKTIKPMPLTDLNTYLNKAIPDTRLTIKKYLDVKFEYLSYCLKVKEM DD
EEYSICALGEPLYRVSTGNYEYRLILRCRQEARARFSQMRKDVLEKMELLDQKHVQDIVFQLQRLVSTMSKYYNDCYAVLRDADVFI EVDLAHT
TLAYGLNQEEFTDGEIEEDTAAGEPSRDTRGAAGPLDKGGSWCDS.

MO-AB-17903R	Monoclonal	Cattle (<i>Bos taurus</i>)	WB, ELISA	MO17903R	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 µg
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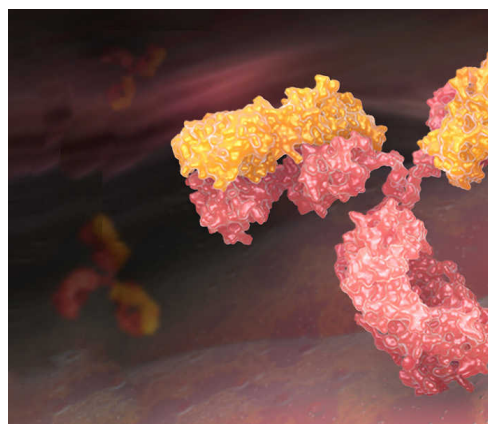
Protein Refseq: The length of the protein is 417 amino acids long.

The sequence is show below: MFADLGYDIEEDKLGIPVPGKVTLQKDAQNLIGISIGGGAQYCPLYIVQVFDNTPAALDGTVAAGDEITGVNGRS
IKGKTKVEVAKMI QEVKGEVTIHYNKLQADPKQGMSLDIVLKKVKHRLVENMSSGTADALGLSRAILCNDGLVKRLEELERTAELYKGMTEHTKNLL
RAFYEL SQTHRAFGDVFSVIGVREPQPAASEAFVKFADAHRSIEKFGIRLLKTIKPMPLTDLNTYLNKAIPDTRLTIKKYLD.

MO-AB-61504W	Monoclonal	Marmoset	WB, ELISA	MO61504W	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 415 amino acids long.

The sequence is show below: MFADLDYDIEEDKLGIPVPGKVTLQKDAQNLIGISIGGGAQYCPLYIVQVFDNTPAALDGTVAAGDEITGVNGRS
IKGKTKVEVAKMI QEVKGEVTIHYNKLQADPKQGMSLDIVLKKVKHRLVENMSSGTADALGLSRAILCNDGLVKRLEELERTAELYKGMTEHTKNLL
RAFYEL SQTHRAFGDVFSVIGVREPQPAASEAFVKFADAHRSIEKFGIRLLKTIKPMPLTDLNTYLNKAIPDTRLTIKKYLDVKFEYLSYCLKVKEM DD
EEYSICALGEPLYRVSTGNYEYRLILRCRQEARARFSQMRKDVLEKMELLDQKHVQDIVFQLQRLVSTMSKYYNDCYAVLRDADVFI EVDLAHT
TLAYGLNQEEFTDGEIEEDTAAGEPSRDTRGAAGPLDKGGSWCDS.



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.