

AibGenesis™ Mouse Anti-Oxt Antibody (CBMOAB-27076FYA)

Cat. No.: CBMOAB-27076FYA

Specifications

Host species	Mouse (<i>Mus musculus</i>)
Clone	MO27076FYA
Specificity	This antibody binds to fruit fly Oxt.
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	Golgi apparatus; 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 precursor protein that is processed to produce oxytocin and neurophysin I. Oxytocin is a posterior pituitary hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin I. Together with neurophysin, it is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis, where it is either stored or secreted into the bloodstream. The precursor seems to be activated while it is being transported along the axon to the posterior pituitary. This hormone contracts smooth muscle during parturition and lactation. It is also involved in cognition, tolerance, adaptation and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions. (From NCBI)
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Product Overview Mouse Anti-D. melanogaster Oxt Antibody is a mouse antibody against Oxt. It can be used for Oxt detection in Western Blot, Enzyme-Linked Immunosorbent Assay.

Protein Refseq The length of the protein is 876 amino acids long.
The sequence is show below: MEQSVSARWLKRYRAFFLILLIVAIQLFLAYKSLDIVGGGSGSGFDAAEAPA SPPPPHA QARVQPPARTKLTAAQLGFQPECDILAREAISALQRAKTKDCREHIAQACAIQAGR FYA PQLRS SCPAGNHTANVSLGCFKDEKDRLLAGYYSSSKTSNSPAKCVELCLQSGYPYAGV QYGRECF CGYDPPP KASKLPDSSCNTKCLGNAKEICGGFYAMNIYETGIAKFTAQLAATT PSEETKRVRI AFLTLN GRALRQVHRL LKALYAP EHVYIIHVDERQDYLYRKLL ELESKF PNIRLARKRFSTIWGGASLLT MLLQCMEDLLQSNWHWD FVINLSE SDFPVKTLDKLVDFL SANPGRNFVKGHGRETQKFIQKQGLDKTFVECDTHMWRIGDRKLPAGIQ VDGGS DWVALS RPFVGYVTHPREDELLQALLKLF RHTLLPAESFFHTVLRNTKHCTS YVDNNLHV TNWK R KQGCKCQYKHVVDWCGCSPNDFKPEDWPRLQATEQKSLFFARKFEPVINQAVLLQLEEWL YGPYTSEY ANLHGYWQSLYHHEDVHGSGDDLARSIGDSVMRLSARQAKLYPLELIELTHY LHRDQYK GFLVRYRARG S TGKPLHLETRVRPTQQGKLARNARFSKRLRNFEVSTDFDQKE QIARNFGKLLGPQSDLLLSYTLQANADS GAASHSYNLTLLWIDPLGRLQDFNELHVEDST SDVINHSKTLLKHPITPGIWTAKLIGRNSIYAQLKFLIAPLAY YKGYPLAKSSDAEALNA GLTVALPEDFEMPVEWQQHLQTDDEQFTMREESLAKGKMLGQELHSWIDGLV GQFFQLRE SCVVEADSEVSLPLCSDAPWSSLAPDPKSDVDALLK.

Sub Cat	Clonality	Species	Reactivity	Application	Clone	Conjugate	Size
CBMOAB-53691 FYA	Monoclonal	Rhesus (<i>Macaca mulatta</i>)	WB, ELISA	MO53691F	Unconjugated; also available for Biotin; HRP; FITC and other labeled form.	100 μg	

Protein Refseq: The length of the protein is 125 amino acids long.
The sequence is show below: MAGPSLACCLLGLLALTSACYIQNCPLGGKRAAPDLDRKCLPCGPGGKGRCFGPNICCAEELGCFVGTA EALR CQEENYLPSPCQSGQK ACGSGGRCAVFG LCCSPD GCHADPACDMEATFSQH.

CBMOAB-91161 FYA	Monoclon al	Zebrafish (<i>Danio rerio</i>)	WB, ELISA	MO91161F	Unconjugated; also available for Biotin; HRP; FITC and oth er labeled form.	100 μg
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Protein Refseq: The length of the protein is 154 amino acids long.
The sequence is show below: MSGGLLSAAALLCLLSVCSACYISNCPIGGKRSVQDWPIRQCMPCGPGDRGR CFGPSICCGEGIGCLVGSPETL RCLEEDFLPSPCEMSG KACGYEGRCAAPGVCCDSEGC SVDQSCVDGDADAAAVNQPANSPDLLL KLLHLSSH THPSRIHQ.

MO-AB-09268Y	Monoclon al	Rabbit (<i>Oryctolagus cuniculus</i>)	WB, ELISA	MO09268Y	Unconjugated; also available for Biotin; HRP; FITC and oth er labeled form.	100 μg
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Protein Refseq: The length of the protein is 128 amino acids long. The sequence is show below: SRTMAGPSLACCLLGLLALTSACYIQNCPLG GKRAALDRDVRKCLPCGPAGKGRCFGPSICCADELGCFVGTA EALRCQEENFLPSPCQS GQKPCGSGGRCAAAGVCCSADGCRTDPTCDPE AAFSER.

MO-AB-17004Y	Monoclon al	Sheep (<i>Ovis aries</i>)	WB, ELISA	MO17004Y	Unconjugated; also available for Biotin; HRP; FITC and oth er labeled form.	100 μg
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Sub Cat	Clonalit y	Species Reactivity	Applicati on	Clone	Conjugate	Size
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Protein Refseq: The length of the protein is 107 amino acids long. The sequence is show below: MAGSSLACLLGLLALTSACYIQNCXGPGG KGRCFGPSICCGDELGCFVGTAEALRCREENYLPSPCQSGQKPCGSGGRCAAAGICCCPD GCHADPACDPEAAFSQH.

MO-AB-17417R	Monoclonal	Cattle (<i>Bos taurus</i>)	WB, ELISA	MO17417R	Unconjugated; also available for Biotin; HRP; FITC and oth er labeled form.	100 µg
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Protein Refseq: The length of the protein is 125 amino acids long.

The sequence is show below: MAGSSLACLLGLLALTSACYIQNCPLGGKRAVLDDLVRTCLPCGPGGKGRCFGPSICCGDELGCFVGTAEALRC QEENYLPSPCQSGQK PCGSGGRCAAAGICCCPDGCHEDPACDPEAAFSQH.

MO-AB-27694H	Monoclonal	Rat (<i>Rattus norvegicus</i>)	WB, ELISA	MO27694C	Unconjugated; also available for Biotin; HRP; FITC and oth er labeled form.	100 µg
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Protein Refseq: The length of the protein is 125 amino acids long.

The sequence is show below: MACPSLACLLGLLALTSACYIQNCPLGGKRAALDLDMRKCLPCGPGGKGRCFGPSICCADELGCFVGTAEALR CQEENYLPSPCQSGQK PCGSGGRCATAGICCCPDGCRTDPACDPESAFSER.

MO-AB-45954W	Monoclonal	Horse (<i>Equus caballus</i>)	WB, ELISA	MO45954W	Unconjugated; also available for Biotin; HRP; FITC and oth er labeled form.	100 µg
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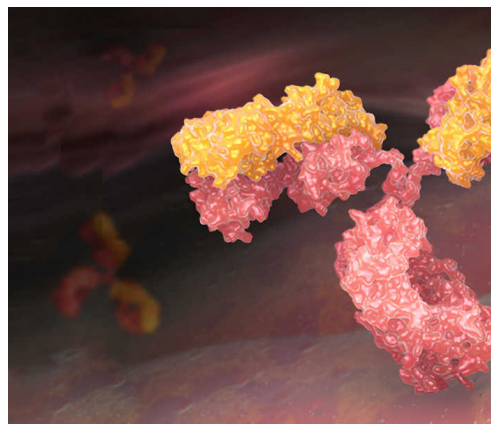
Protein Refseq: The length of the protein is105 amino acids long.

The sequence is show below: CYIQNCPLGGKRAALDLVRKCLPCGPGGKGRCFGPSICCGDELGCFVGTAEALRCQEENYLPSPCQSGQKPC GSGGRCAAAGICCCPDG CLADPSCHDEAAFSQ.

MO-AB-60840W	Monoclonal	Marmoset	WB, ELISA	MO60840W	Unconjugated; also available for Biotin; HRP; FITC and oth er labeled form.	100 µg
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Protein Refseq: The length of the protein is 125 amino acids long.

The sequence is show below: MAGPSLACLLGLLALTSACYIQNCPPGGKRAALDLVRKCLPCGPGGKGRCFGPNICCVEELGCFVGTAEALR CQEESYLPSPCQSGHK ACGSGGHCAAFGLCCSPDGCHADPACDVEATLSQH.



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.