

DANRE mao Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # Azb10032a

Specification

DANRE mao Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O6NSN2
Reactivity	Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	58765
Antigen Region	332-364

DANRE mao Antibody (Center) - Additional Information

Gene ID 404730

Other Names

Amine oxidase [flavin-containing], Monoamine oxidase, MAO, Z-MAO, AOF

Target/Specificity

This DANRE mao antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 332-364 amino acids from the Central region of DANRE mao.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DANRE mao Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

DANRE mao Antibody (Center) - Protein Information

Name mao {ECO:0000312|EMBL:AAH70013.1, ECO:0000312|ZFIN:ZDB-GENE-040329-3}

Function Catalyzes the oxidative deamination of biogenic and xenobiotic amines and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues (PubMed:[15621520](#), PubMed:[16917825](#)). Preferentially

oxidizes serotonin and tyramine (PubMed:[15621520](#), PubMed:[16917825](#)). Also catalyzes the oxidative deamination of kynuramine to 3-(2-aminophenyl)-3-oxopropanal that can spontaneously condense to 4-hydroxyquinoline (By similarity).

Cellular Location

Mitochondrion outer membrane {ECO:0000250|UniProtKB:P21396}; Single-pass type IV membrane protein {ECO:0000250|UniProtKB:P21396}; Cytoplasmic side {ECO:0000250|UniProtKB:P21396}

Tissue Location

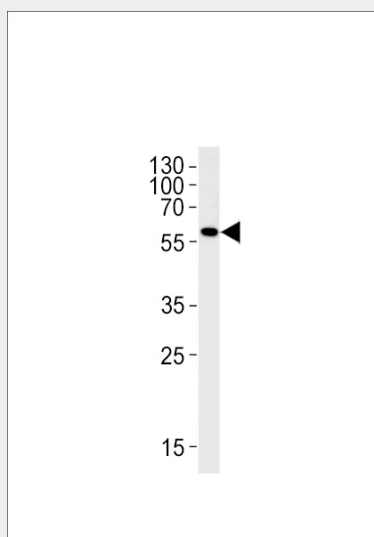
Strongest expression in brain and intestine, followed by liver, heart and gill. Little expression in spleen, eye or muscle. In brain, highest activity in noradrenergic and serotonergic cell groups and those of the habenulointerpeduncular pathway; moderate levels in dopaminergic cell clusters.

DANRE mao Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DANRE mao Antibody (Center) - Images



DANRE mao Antibody (Center) (Cat. #AzB10032a) western blot analysis in zebra fish brain tissue lysates (35ug/lane). This demonstrates the DANRE mao antibody detected the DANRE mao protein (arrow).

DANRE mao Antibody (Center) - Background

Catalyzes the oxidative deamination of biogenic and xenobiotic amines and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system

and peripheral tissues. Oxidizes both 5-hydroxytryptamine (5-HT) and beta-phenylethylamine (PEA).

DANRE mao Antibody (Center) - References

Setini A., et al. Comp. Biochem. Physiol. 140B:153-161(2005).
Anichtchik O., et al. J. Comp. Neurol. 498:593-610(2006).