

# **Product datasheet for TA335133**

### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## Monoamine Oxidase A (MAOA) Rabbit Polyclonal Antibody

#### **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human, Mouse

Host: Rabbit

**Isotype:** IgG

**Clonality:** Polyclonal

**Immunogen:** The immunogen for anti-MAOA antibody: synthetic peptide directed towards the middle

region of human MAOA. Synthetic peptide located within the following region:

NINVTSEPHEVSALWFLWYVKQCGGTTRIFSVTNGGQERKFVGGSGQVSE

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Purification:** Affinity Purified

Conjugation: Unconjugated

**Store** at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Predicted Protein Size: 60 kDa

**Gene Name:** monoamine oxidase A

Database Link: NP 000231

Entrez Gene 17161 MouseEntrez Gene 4128 Human

P21397

#### Monoamine Oxidase A (MAOA) Rabbit Polyclonal Antibody - TA335133

Background: MAOA 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. MAOA preferentially oxidizes biogenic amines such as 5-hydroxytryptamine (5-HT), norepinephrine and epinephrine. This gene encodes monoamine

oxidase A, an enzyme that degrades amine neurotransmitters, such as dopamine,

norepinephrine, and serotonin. The protein localizes to the mitochondrial outer membrane. The gene is adjacent to a related gene on the opposite strand of chromosome X. Mutation in this gene results in monoamine oxidase deficiency, or Brunner syndrome. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene.

Please see the Entrez Gene record to access additional publications.

Synonyms: BRNRS; MAO-A

**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse:

100%; Horse: 93%; Bovine: 93%; Rabbit: 93%; Zebrafish: 92%; Guinea pig: 92%

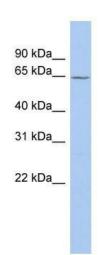
**Protein Families:** Druggable Genome

**Protein Pathways:** Arginine and proline metabolism, Drug metabolism - cytochrome P450, Glycine, serine and

threonine metabolism, Histidine metabolism, Metabolic pathways, Phenylalanine metabolism,

Tryptophan metabolism, Tyrosine metabolism

## **Product images:**



WB Suggested Anti-MAOA Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: Human Liver