

## Product datasheet for **TA504265AM**

### **Monoamine Oxidase A (MAOA) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1D6]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI1D6
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 249-484 of human MAOA(NP_000231) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	59.5 kDa
Gene Name:	monoamine oxidase A
Database Link:	<a href="#">NP_000231</a> <a href="#">Entrez Gene 17161 Mouse</a> <a href="#">Entrez Gene 29253 Rat</a> <a href="#">Entrez Gene 4128 Human</a> <a href="#">P21397</a>
Background:	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. [provided by RefSeq]



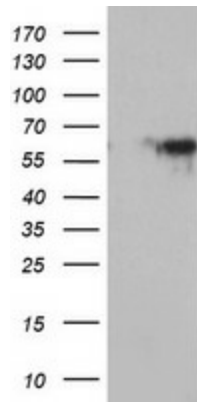
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**Synonyms:** BRNRS; MAO-A

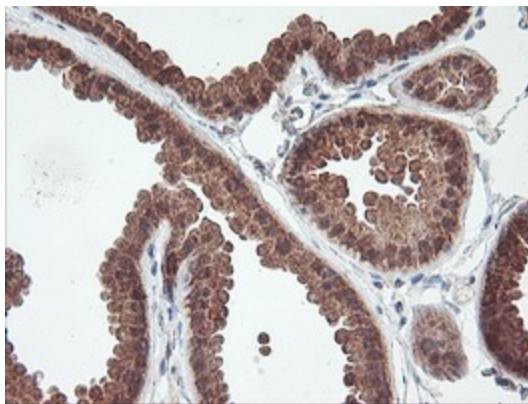
**Protein Families:** Druggable Genome

**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

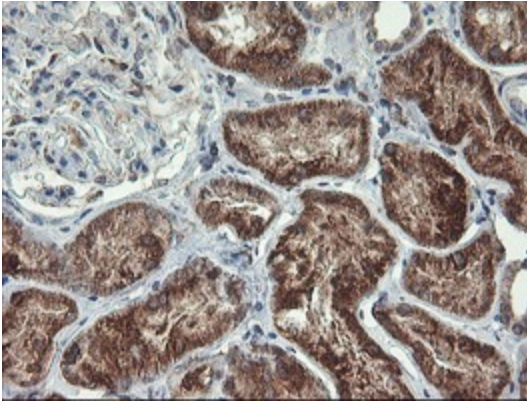
**Product images:**



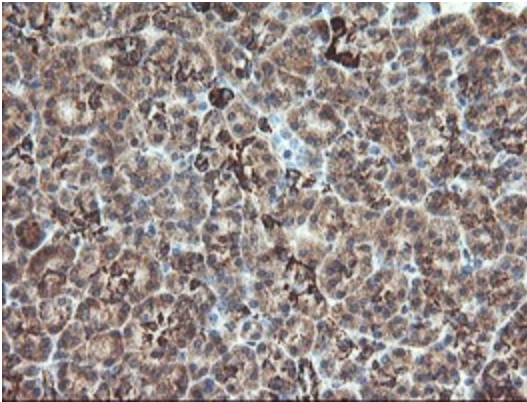
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MAOA ([RC207276], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MAOA.



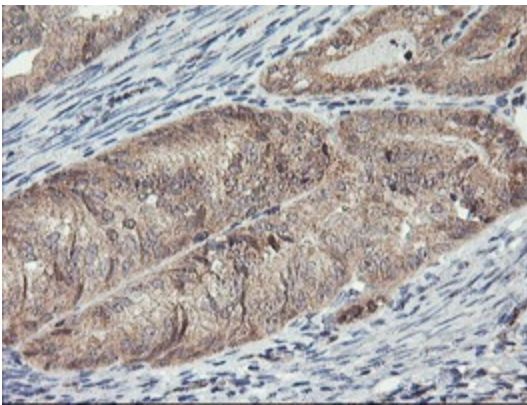
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-MAOA mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504265])



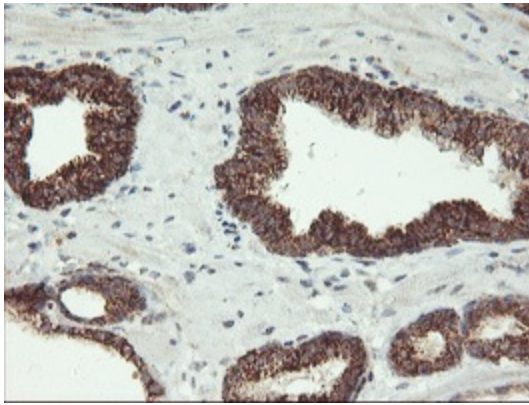
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-MAOA mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504265])



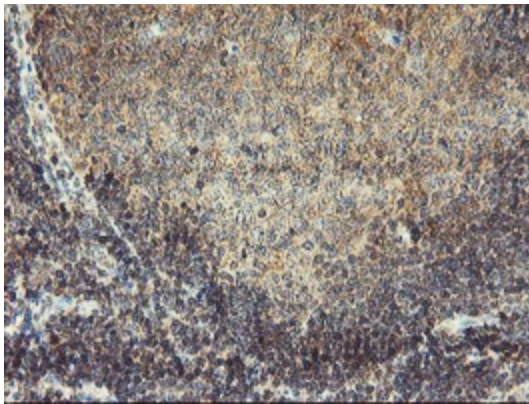
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-MAOA mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504265])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-MAOA mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504265])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-MAOA mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504265])



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-MAOA mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504265])