
Product Name: KD-Validated Monoamine Oxidase A Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01361**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 59.7kDa

Antigen Information

Gene Name	MAOA
Alternative Names	MAOA; Monoamine Oxidase A; Amine Oxidase [Flavin-Containing] A; Monoamine Oxidase Type A; EC 1.4.3.4; MAO-A; EC 1.4.3.21; EC 1.4.3; BRNRS
Gene ID	4128.0
SwissProt ID	P21397
Immunogen	A synthesized peptide derived from human Monoamine Oxidase A

Background

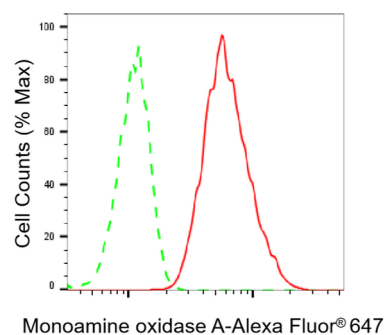
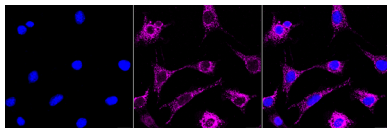
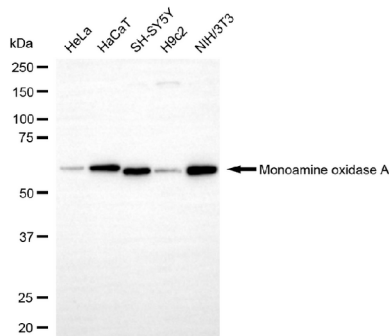
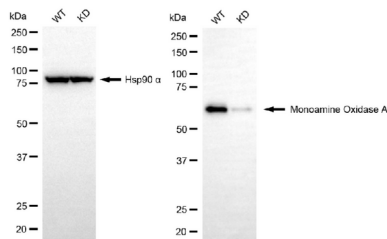
This gene is one of two neighboring gene family members that encode mitochondrial enzymes which catalyze the oxidative deamination of amines, such as dopamine, norepinephrine, and serotonin. Mutation of this gene results in Brunner syndrome.

This gene has also been associated with a variety of other psychiatric disorders, including antisocial behavior. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Jul 2012]

Research Area

Neuroscience

Image Data



Western blotting analysis using monoamine oxidase A antibody (KVA01361). Monoamine oxidase A expression in wild-type (WT) and monoamine oxidase A (MAOA) knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with monoamine oxidase A antibody (KVA01361, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Western blotting analysis using monoamine oxidase A antibody (KVA01361). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with monoamine oxidase A antibody (KVA01361, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Immunocytochemical staining of C2C12 cells with Monoamine oxidase A antibody (KVA01361, 1:1,000). Nuclei were stained blue with DAPI; Monoamine oxidase A was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.

Flow cytometric analysis of Monoamine oxidase A expression in C2C12 cells using Monoamine oxidase A antibody (KVA01361, 1:2,000). Green, isotype control; red, Monoamine oxidase A.