



## Rabbit Anti-MAOA antibody

SL6679R

<b>Product Name:</b>	MAOA
<b>Chinese Name:</b>	单氨氧化酶A抗体
<b>Alias:</b>	Amine oxidase [flavin containing] A; EC 1.4.3.4; MAO A; MAO-A; Maa; Monoamine oxidase A; Monoamine oxidase type A; AOFA_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	60kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MAOA:281-380/527
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Monoamine oxidase A (MAO-A) 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. MAO-A preferentially oxidizes biogenic amines such as 5-hydroxytryptamine (5-HT), norepinephrine and epinephrine. Defects in MAOA are a cause of Brunner syndrome which is a form of X-linked nondysmorphic mild mental retardation.

**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. MAOA preferentially oxidizes biogenic amines such as 5-hydroxytryptamine (5-HT), norepinephrine and epinephrine.

**Subcellular Location:**

Mitochondrion outer membrane.

**Tissue Specificity:**

Heart, liver, duodenum, blood vessels and kidney.

**DISEASE:**

Defects in MAOA are the cause of Brunner syndrome (BRUNS) [MIM:300615]. Brunner syndrome is a form of X-linked non-dysmorphic mild mental retardation. Male patients are affected by a syndrome of borderline mental retardation and exhibit abnormal behavior, including disturbed regulation of impulsive aggression. Obligate female carriers have normal intelligence and behavior.

**Similarity:**

Belongs to the flavin monoamine oxidase family.

**SWISS:**

P21397

**Gene ID:**

4128

**Database links:**

[Entrez Gene: 4128](#)Human

[Entrez Gene: 17161](#)Mouse

[Entrez Gene: 29253](#)Rat

[Omim: 309850](#)Human

[SwissProt: P21397](#)Human

[SwissProt: Q64133](#)Mouse

[SwissProt: P21396](#)Rat

[Unigene: 183109](#)Human

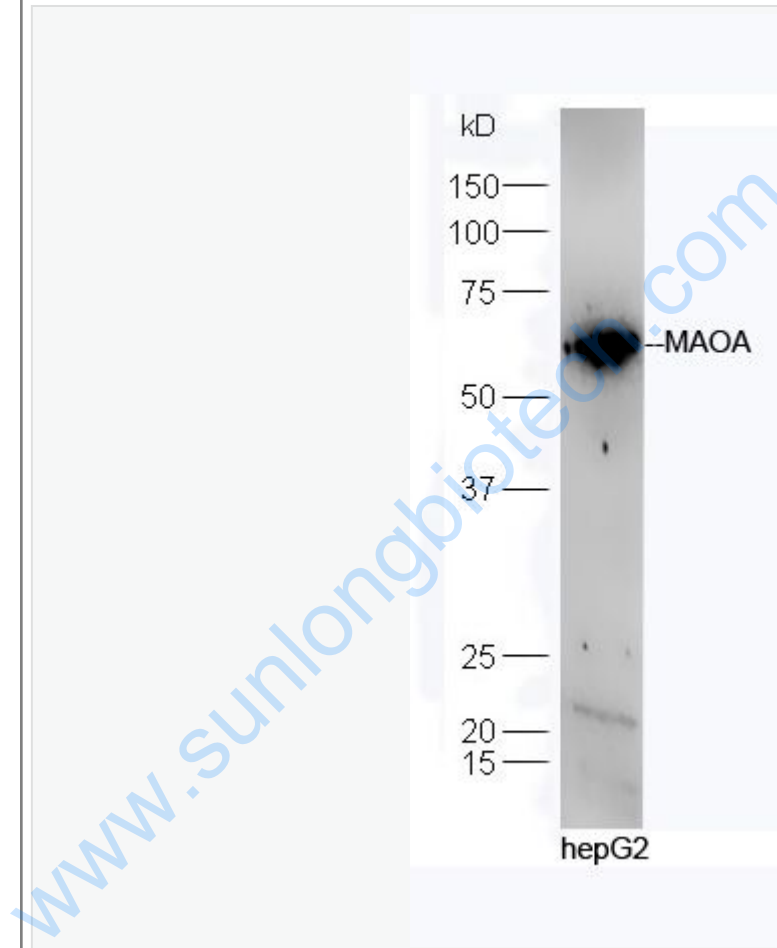
[Unigene: 21108](#)Mouse

[Unigene: 224544](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



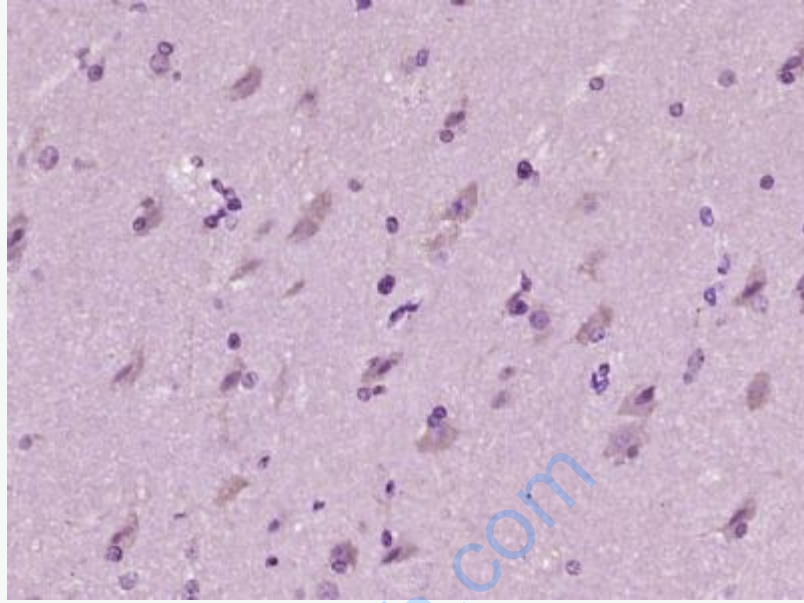
Sample: HepG2 Cell (Human) Lysate at 40 ug

Primary: Anti-MAOA (SL6679R) at 1/300 dilution

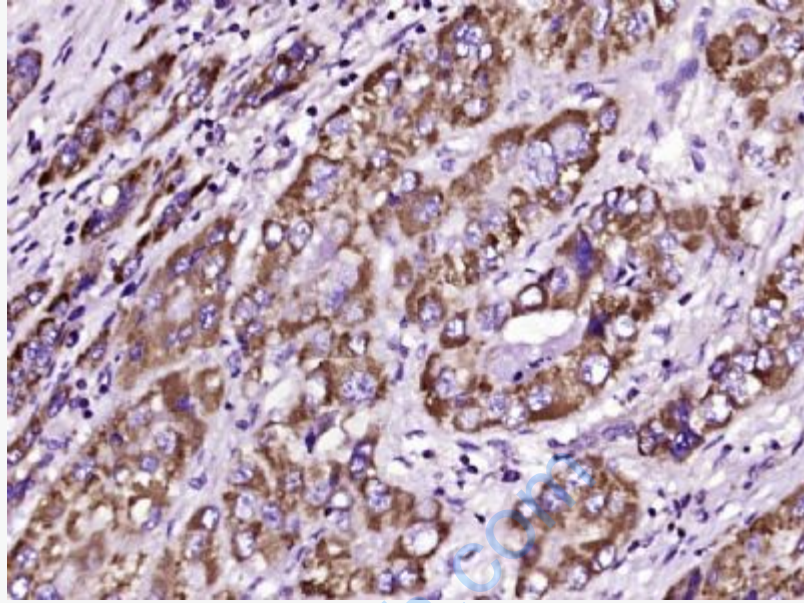
Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL6679R) at 1/5000 dilution

Predicted band size: 60 kD

Observed band size: 60 kD



Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAOA) Polyclonal Antibody, Unconjugated (SL6679R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAOA) Polyclonal Antibody, Unconjugated (SL6679R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.