

Monoamine Oxidase B Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54448**Specification****Monoamine Oxidase B Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	P27338
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58763

Monoamine Oxidase B Polyclonal Antibody - Additional Information**Gene ID** 4129**Other Names**

Amine oxidase [flavin-containing] B, 1.4.3.4, Monoamine oxidase type B, MAO-B, MAOB

Dilution

WB~~1:1000
IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Monoamine Oxidase B Polyclonal Antibody - Protein Information**Name** MAOB ([HGNC:6834](#))**Function**

Catalyzes the oxidative deamination of primary and some secondary amines such as neurotransmitters, and exogenous amines including the tertiary amine, neurotoxin 1-methyl-4-phenyl-1,2,3,6- tetrahydropyridine (MPTP), with concomitant reduction of oxygen to hydrogen peroxide and participates in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues (PubMed:[11049757](http://www.uniprot.org/citations/11049757), PubMed:[11134050](http://www.uniprot.org/citations/11134050), PubMed:[20493079](http://www.uniprot.org/citations/20493079), PubMed:[8316221](http://www.uniprot.org/citations/8316221))

[8665924](http://www.uniprot.org/citations/8665924)). Preferentially degrades benzylamine and phenylethylamine (PubMed:<[11049757](http://www.uniprot.org/citations/11049757)>, PubMed:<[11134050](http://www.uniprot.org/citations/11134050)>, PubMed:<[20493079](http://www.uniprot.org/citations/20493079)>, PubMed:<[8316221](http://www.uniprot.org/citations/8316221)>, PubMed:<[8665924](http://www.uniprot.org/citations/8665924)>).

Cellular Location

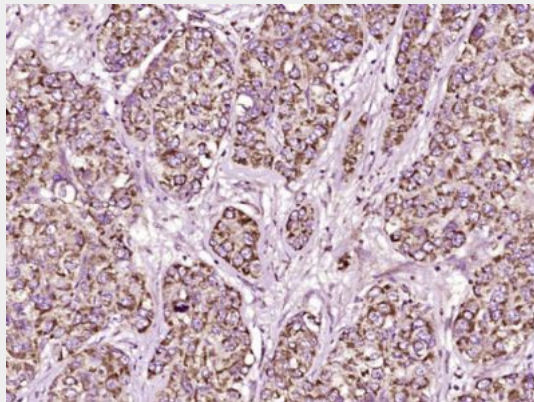
Mitochondrion outer membrane; Single-pass type IV membrane protein; Cytoplasmic side

Monoamine Oxidase B Polyclonal Antibody - Protocols

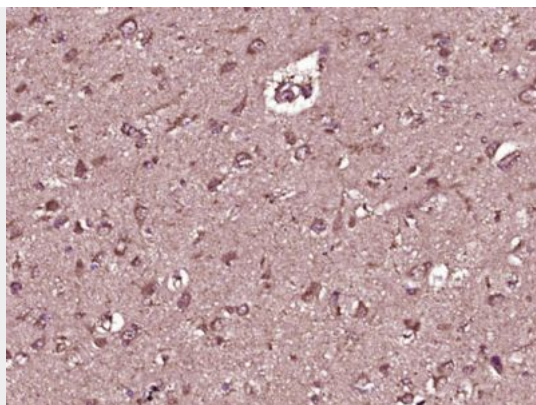
Provided below are standard protocols that you may find useful for product applications.

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

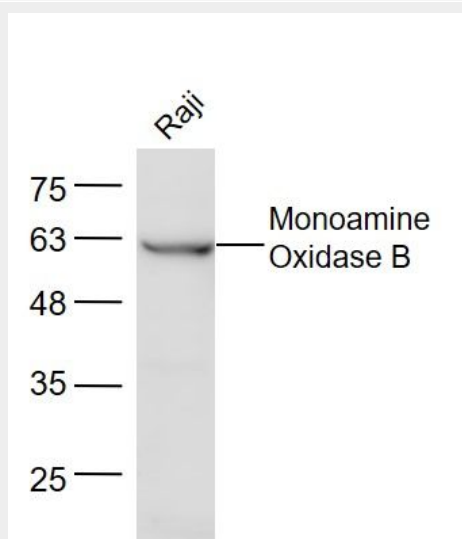
Monoamine Oxidase B Polyclonal Antibody - Images



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 (Monoamine Oxidase B) Polyclonal Antibody, Unconjugated (bs-11297R) 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 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 (Monoamine Oxidase B) Polyclonal Antibody, Unconjugated (bs-11297R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Sample: Raji Cell (Human) Lysate at 40 ug

Primary: Anti-Monoamine Oxidase B (bs-11297R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution

Predicted band size: 59 kD

Observed band size: 59 kD