

DAO1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58806**Specification**

DAO1 Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	P19801
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	85378

DAO1 Polyclonal Antibody - Additional Information**Gene ID 26****Other Names**

Amiloride-sensitive amine oxidase [copper-containing], DAO, Diamine oxidase, 1.4.3.22, Amiloride-binding protein 1, Amine oxidase copper domain-containing protein 1, Histaminase, Kidney amine oxidase, KAO, AOC1, ABP1, DAO1

Format

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

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.

DAO1 Polyclonal Antibody - Protein Information

Name AOC1 {ECO:0000303|PubMed:19764817, ECO:0000312|HGNC:HGNC:80}

Function

Catalyzes the oxidative deamination of primary amines to the corresponding aldehydes with the concomitant production of hydrogen peroxide and ammonia (PubMed:[8144586](http://www.uniprot.org/citations/8144586), PubMed:[239684](http://www.uniprot.org/citations/239684), PubMed:[12072962](http://www.uniprot.org/citations/12072962), PubMed:[19764817](http://www.uniprot.org/citations/19764817)). Its preferred substrates are the diamines histamine and 1-methylhistamine and it could therefore play a role in allergic and immune responses (PubMed:[12072962](http://www.uniprot.org/citations/12072962)). Has a broad specificity for diamines and can also act on cadaverine and putrescine, two products of amino acid catabolism (PubMed:[12072962](http://www.uniprot.org/citations/12072962)). It could also act on polyamines, like spermidine and spermine though less efficiently, and regulate various biological processes (PubMed:[239684](http://www.uniprot.org/citations/239684), PubMed:[12072962](http://www.uniprot.org/citations/12072962)).

target="_blank">12072962).

Cellular Location

Secreted, extracellular space. Cell membrane; Peripheral membrane protein; Extracellular side

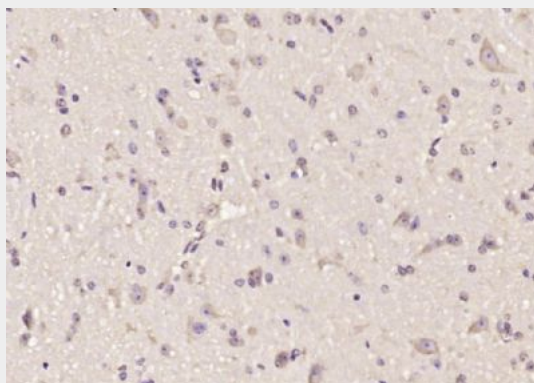
Tissue Location

Widely expressed with higher expression in placenta and kidney.

DAO1 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](#)

DAO1 Polyclonal Antibody - Images

Paraformaldehyde-fixed, paraffin embedded (mouse brain); 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 (DAO1) Polyclonal Antibody, Unconjugated (bs-7949R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.