

DAO Rabbit pAb

Catalog No.: A5309

Basic Information

Observed MW

39kDa

Calculated MW

39kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes the peroxisomal enzyme D-amino acid oxidase. The enzyme is a flavoprotein which uses flavin adenine dinucleotide (FAD) as its prosthetic group. Its substrates include a wide variety of D-amino acids, but it is inactive on the naturally occurring L-amino acids. Its biological function is not known; it may act as a detoxifying agent which removes D-amino acids that accumulate during aging. In mice, it degrades D-serine, a co-agonist of the NMDA receptor. This gene may play a role in the pathophysiology of schizophrenia.

Recommended Dilutions

WB 1:1000 - 1:5000

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

1610

Swiss Prot

P14920

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-347 of human DAO (NP_001908.3).

Synonyms

DAAO; OXDA; DAMOX; DAO

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

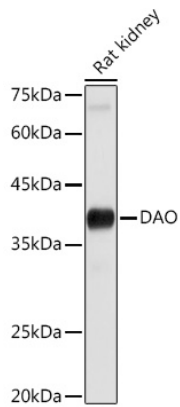
Affinity purification

Storage

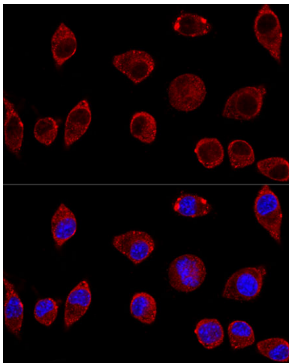
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

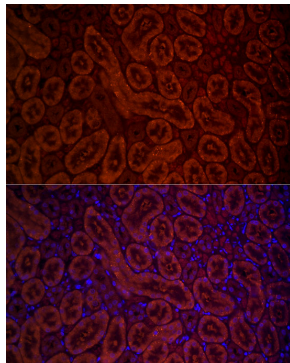
Validation Data



Western blot analysis of extracts of Rat kidney, using DAO antibody (A5309) at 1:3000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



Confocal immunofluorescence analysis of L929 cells using DAO Polyclonal Antibody (A5309) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of rat kidney cells using DAO Rabbit pAb (A5309) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.