



Rabbit Anti-HAAO antibody

SL11695R

Product Name:	HAAO
Chinese Name:	3-羟氨苯甲酸双加氧酶抗体
Alias:	3 HAO; 3 hydroxyanthranilate 3 4 dioxygenase; 3 hydroxyanthranilate dioxygenase; 3 hydroxyanthranilate oxygenase; 3 hydroxyanthranilic acid dioxygenase; 3-HAO; 3-hydroxyanthranilate 3; 3-hydroxyanthranilate 3,4-dioxygenase; 3-hydroxyanthranilate oxygenase; 3-hydroxyanthranilic acid dioxygenase; 3HAO_HUMAN; 4-dioxygenase; haa0; HAD; HAO.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	33kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human HAAO:101-200/286
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	The 3-HAO family of proteins consists of intramolecular dioxygenases that contain non-heme ferrous iron. HAAO (3-hydroxyanthranilate 3,4-dioxygenase), also known as HAO or 3-HAO, is a 286 amino acid monomeric cytoplasmic protein that belongs to the

3-HAO family. Utilizing Fe²⁺ ions as a cofactor, HAAO participates in the formation of quinolinic acid (QUIN), and excitotoxin, by catalyzing the oxidative ring opening of 3-hydroxyanthranilate to 2-amino-3-carboxymuconate semialdehyde. HAAO may play a role in disorders that are associated with varying levels of QUIN expression, and is widely expressed in peripheral organs, including kidney and liver. Existing as two alternatively spliced isoforms, the gene encoding HAAO maps to human chromosome 2p21 and mouse chromosome 17 E4.

Function:

Catalyzes the oxidative ring opening of 3-hydroxyanthranilate to 2-amino-3-carboxymuconate semialdehyde, which spontaneously cyclizes to quinolinate.

Subcellular Location:

Cytoplasm.

Similarity:

Belongs to the 3-HAO family.

SWISS:

P46952

Gene ID:

23498

Database links:

[Entrez Gene: 23498](#)Human

[Entrez Gene: 107766](#)Mouse

[Entrez Gene: 56823](#)Rat

[Omim: 604521](#)Human

[SwissProt: P46952](#)Human

[SwissProt: Q78JT3](#)Mouse

[SwissProt: P46953](#)Rat

[Unigene: 368805](#)Human

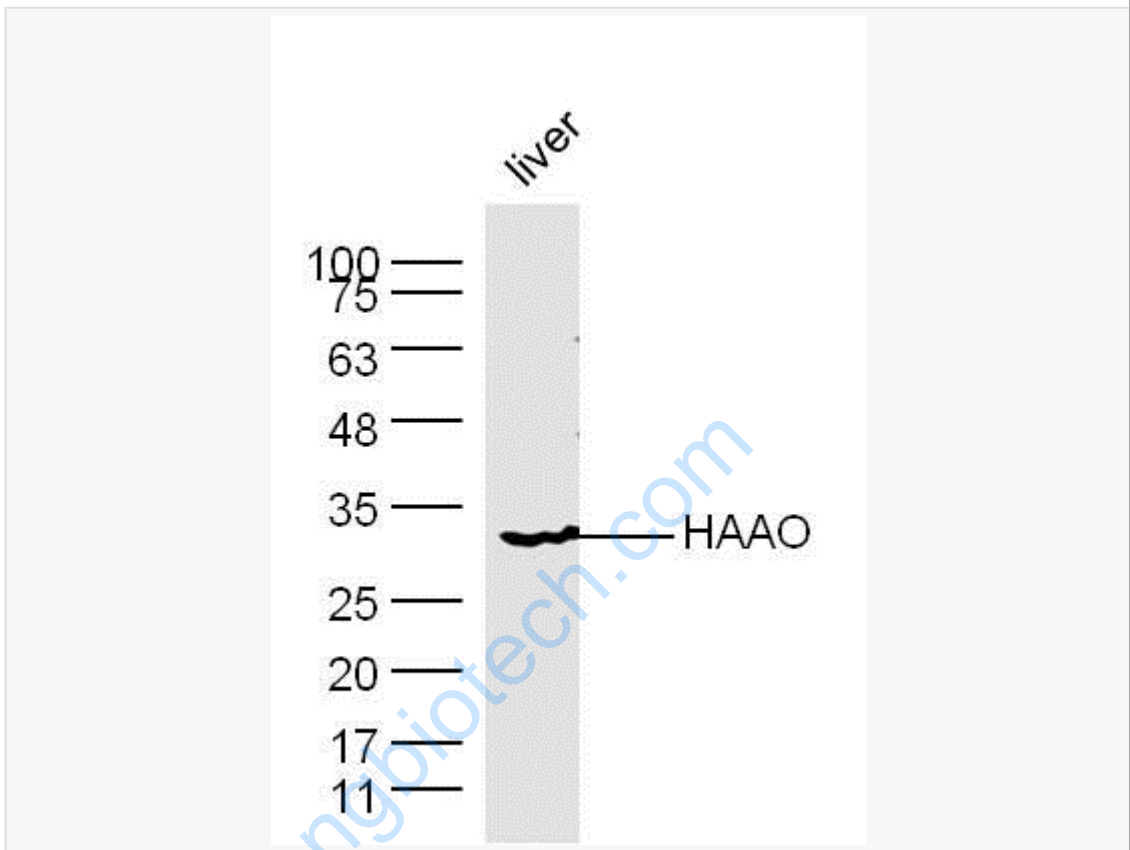
[Unigene: 30100](#)Mouse

[Unigene: 48675](#)Rat

Important Note:

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

Picture:



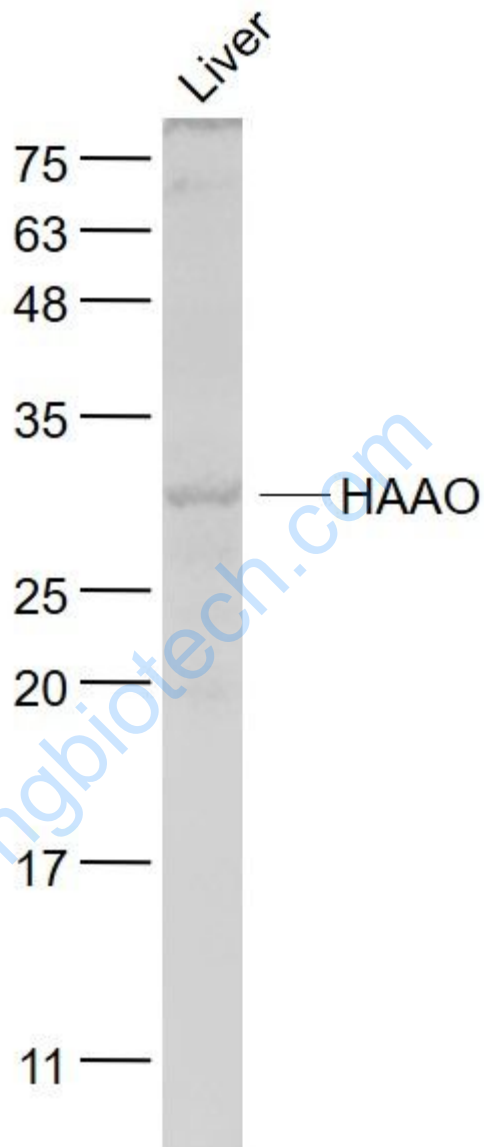
Sample: Liver (Mouse) Lysate at 40 ug

Primary: Anti-HAAO (SL11695R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 33 kD

Observed band size: 33 kD



Sample:

Liver (Mouse) Lysate at 40 ug

Primary: Anti- HAAO (SL11695R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 33 kD

	Observed band size: 30 kD
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