

Anti-HAAO Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Pig,Cow,Rabbit,Sheep)
Molecular Weight:	Theoretical: 33 kDa. Actual: 33 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Liver (Mouse) Lysate at 40 µg Primary: Anti-HAAO (TMAB-06869) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 33 kD Observed band size: 33 kD
	2. Sample: Liver (Mouse) Lysate at 40 µg Primary: Anti-HAAO (TMAB-06869) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 33 kD Observed band size: 30 kD
	Application: WB
	Recommended WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human HAAO
Antigen Species:	Human
Gene ID:	23498
Uniprot ID:	P46952

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481