BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Cysteine dioxygenase type 1 CDO1 Antibody

Catalog Number: A05016

About CDO1

CDO1 (cysteine dioxygenase, type I) belongs to the cysteine dioxygenase family and is involved in organosulfur biosynthesis (1). CDO1 functions as a dioxygenase that uses iron and zinc as cofactors to catalyze the conversion of L-cysteine and oxygen to 3-sulfinoalanine (1,2). CDO1 exists as a monomer and is expressed at high levels in liver and placenta and at lower levels in brain, pancreas and heart (1). CDO1 is involved in pyruvate-, sulfate- and taurine-related metabolic pathways and is a crucial regulator of cysteine concentrations within the cell (3,4).

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Overview

Product Name	Anti-Cysteine dioxygenase type 1 CDO1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Cysteine dioxygenase type 1 CDO1 Antibody (Catalog # A05016). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	CDO1 antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	CDO1 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q16878

Technical Details

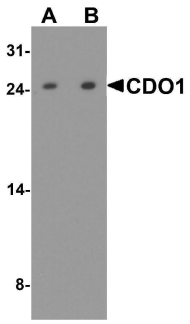
Immunogen	CDO1 antibody was raised against a 19 amino acid peptide near the amino terminus of human CDO1. The immunogen is located within amino acids 30 - 80 of CDO1.
Predicted Reactive Species	Bovine
Cross Reactivity	CDO1 antibody is human, mouse and rat reactive.
Isotype	IgG

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Form	Liquid
Concentration	1 mg/mL
Purification	CDO1 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	CDO1 antibody can be used for detection of CDO1 by Western blot at 1 - 2 ug/ml. Antibody validated: Western Blot in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-Cysteine dioxygenase type 1 CDO1 Antibody (A05016) Images



Western blot analysis of CDO1 in rat liver tissue lysate with CDO1 antibody at (A) 1 and (B) 2 ug/ml.

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For Research Use Only. Not for use in diagnostic procedures.