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Datasheet for ABIN7113202 **anti-CD01 antibody**

Overview

Quantity:	100 µg
Target:	CD01
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD01 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	cysteine dioxygenase, type I
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	CD01
Alternative Name:	Cysteine dioxygenase type 1 (CD01 Products)
Background:	Synonyms: CDO, CDO I, CD01, Cysteine dioxygenase type 1, cysteine dioxygenase, type I Background: CD01(cysteine dioxygenase type 1) is also named as CDO and belongs to the cysteine dioxygenase family. It is an enzyme that adds molecular oxygen to the sulfur of cysteine, converting the thiol to a sulfinic acid known as cysteinesulfinic acid(3-sulfinioalanine)

Target Details

and CDO1 is one of the most highly regulated metabolic enzymes responding to diet(PMID:19011731). The expression of CDO can significantly decrease the level of intracellular cysteine and this reduction is also associated with a decrease in total glutathione levels(PMID:17327371). Cysteine dioxygenase(CDO) plays a critical role in the regulation of cellular cysteine concentration and multiple forms of CDO(23 kDa, 25 kDa, and 68 kDa) have been claimed based upon separation and detection using S

Molecular Weight: 23 kDa

UniProt: [Q16878](#)

Application Details

Application Notes: WB: 1:200-1:2000, IP: 1:200-1:2000, IHC: 1:20-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months