

## anti- Cysteine dioxygenase type 1 antibody

### Product Information

Catalog No.:	FNab02183
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

CDO1(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-sulfinoalanine) 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

### Immunogen information

Immunogen:	cysteine dioxygenase, type I
Synonyms:	CDO, CDO I, CDO1, Cysteine dioxygenase type 1, cysteine dioxygenase, type I
Observed MW:	23 kDa
UniprotID :	Q16878

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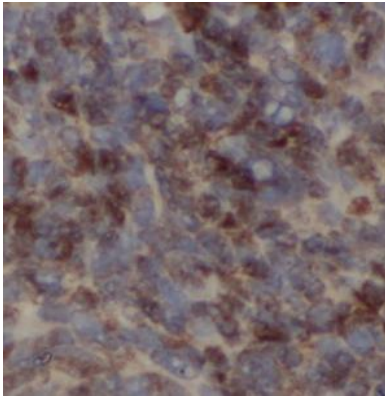
## Application

Reactivity: Human, Mouse, Rat

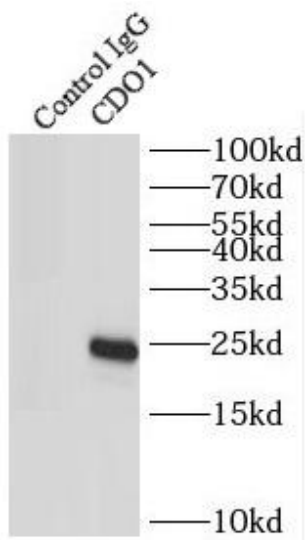
Tested Application: ELISA, WB, IHC, IP

Recommended dilution: WB: 1:200-1:2000; IP: 1:200-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using FNab02183(CDO1 antibody) at dilution of 1:100



IP Result of anti-CDO1 (IP:FNab02183, 3ug; Detection:FNab02183 1:600) with mouse liver tissue lysate 4000ug.

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mouse liver tissue were subjected to SDS PAGE followed by western blot with FNab02183(CDO1 antibody) at dilution of 1:600

