

Anti-ACO1 antibody

Cat. No.	ml261223
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-ACO1 rabbit polyclonal antibody
Applications	ELISA, WB
Immunogen	Synthetic peptide of human ACO1
Reactivity	Human, Mouse, Rat
Content	0.2 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	ACO1
Full name	aconitase 1, soluble
Synonyms	IRP1; ACONS; IREB1; IREBP; IREBP1
Swissprot	P21399

Target Background

Aconitase 1, also known as iron regulatory element binding protein 1 (IREB1), is a cytosolic protein which binds to iron-responsive elements (IREs). IREs are stem-loop structures found in the 5' UTR of ferritin mRNA, and in the 3' UTR of transferrin receptor mRNA. The iron-induced binding to the IRE results in repression of translation of ferritin mRNA, and inhibition of degradation of the otherwise rapidly degrading transferrin receptor mRNA. Thus, IREB1 plays a central role in cellular iron homeostasis. It was also shown to have aconitase activity, and hence grouped with the aconitase family of enzymes.

订购热线: 4008-898-798

Applications

Western blotting

Predicted band size: 98 kDa

Positive control: Mouse liver tissue

Recommended dilution: 1000-5000

Gel: 8%SDS-PAGE

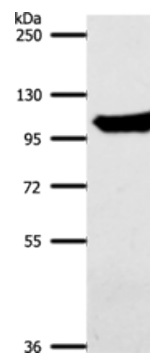
Lysate: 40 µg

Lane: Mouse liver tissue

Primary antibody: ml261223(ACO1 Antibody) at dilution 1/700

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 seconds



ELISA

Recommended dilution: 2000-10000

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