Datasheet for ABIN6138905

anti-COX1 antibody (C-Term)

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Overview

Quantity:	100 µL
Target:	COX1
Binding Specificity:	C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 400 to the C-terminus of mouse COX1 (NP_904330.1).
Sequence:	FSGFTLDDTW AKAHFAIMFV GVNMTFFPQH FLGLSGMPRR YSDYPDAYTT WNTVSSMGSF ISLTAVLIMI FMIWEAFASK REVMSVSYAS TNLEWLHGCP PPYHTFEEPT YVKVK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	COX1

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Target Details

Alternative Name:	MT-CO1 (COX1 Products)
Background:	MT-CO1,COI,MTCO1,COX1,Cancer,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Oxidative phosphorylation,Neuroscience,Neurodegenerative Diseases,MT-CO1
Molecular Weight:	56 kDa
Gene ID:	17708
Pathways:	Proton Transport

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,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:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in:	Guan, Chen, Wang, Zhang, Fan, Gao, Jiao, Fu, Sun, Yu, Huang, Bi: "Effects of carnitine palmitoyltransferases on cancer cellular senescence." in: **Journal of cellular physiology**, Vol. 234, Issue 2, pp. 1707-1719, (2019) (PubMed). Yu, Zhang, Cui, Wang, Na, Zhu, Li, Xu, Yang, Christian, Liu: "Lipid droplet remodeling and interaction with mitochondria in mouse brown adipose tissue during cold treatment." in: **Biochimica et biophysica acta**, Vol. 1853, Issue 5, pp. 918-28, (2015) (PubMed).

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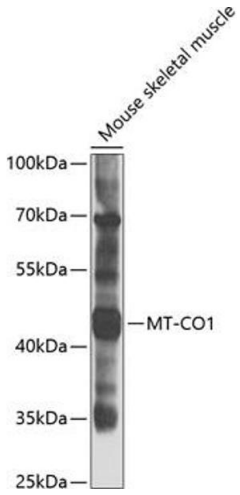

Western Blotting

Image 1. Western blot analysis of extracts of mouse skeletal muscle, using MT-CO1 antibody (ABIN6134141, ABIN6138905, ABIN6138906 and ABIN6223433) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.

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