

Rabbit anti-Human, Mouse COX1 Monoclonal Antibody | anti-MT-CO1 antibody

COX1 Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28587	Rabbit	Human, Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

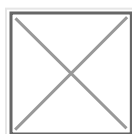
PRODUCT SYNONYMS

COX1; Monoclonal Antibody; COX1 Rabbit PolymAb; CoxI; anti-MT-CO1 antibody

PRODUCT SPECIFICATIONS

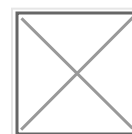
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Applicable Applications for anti-MT-CO1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:3000-1:15000 IHC-P: 1:1000-1:10000 IF/ICC: 1:200-1:800 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant protein of human/mouse COX1.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Confocal imaging of NIH/3T3 cells using COX1 Rabbit PolymAb® (AAA28587, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with γ -tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



ICC (Immunocytochemistry)

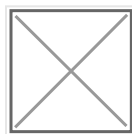
Confocal imaging of paraffin-embedded Human kidney tissue using COX1 Rabbit PolymAb® (AAA28587, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.

**IHC (Immunohistochemistry)**

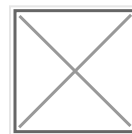
Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using COX1 Rabbit PolymAb® (AAA28587) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using COX1 Rabbit PolymAb® (AAA28587) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using COX1 Rabbit PolymAb® (AAA28587) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using COX1 Rabbit PolymAb® (AAA28587) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer(pH 9.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-MT-CO1 antibody	Enables cytochrome-c oxidase activity. Predicted to be involved in electron transport coupled proton transport; mitochondrial electron transport, cytochrome c to oxygen; and response to oxidative stress. Located in mitochondrial inner membrane. Part of mitochondrial respiratory chain complex IV. Is expressed in several structures, including brown fat; heart; liver; metanephros; and skeletal muscle. Orthologous to human MT-CO1 (mitochondrially encoded cytochrome c oxidase I).
Product Categories/Family for anti-MT-CO1 antibody	Cancer ; Signal Transduction ; Endocrine & Metabolism ; Mitochondrial metabolism ; Mitochondrial markers ; Oxidative phosphorylation ; Neuroscience ; Neurodegenerative Diseases ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	116982
NCBI GeneID	17708/4512
UniProt Accession #	P00397
Molecular Weight	Calculated MW: 57kDa Observed MW: 37kDa
UniProt Protein Name	Cytochrome c oxidase subunit 1
UniProt Gene Name	Mtco1
UniProt Synonym Gene Names	COI; mt-Co1
UniProt Entry Name	COX1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cox1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28587>