

Rabbit MT-CYB Polyclonal Antibody | anti-MT-CYB antibody

MT-CYB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323398	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

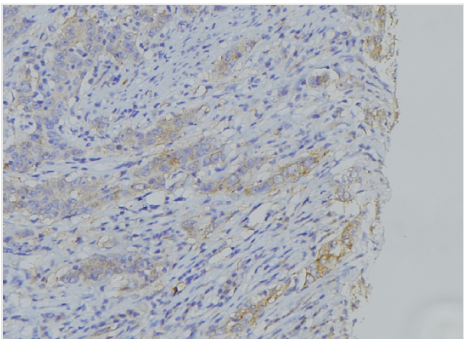
PRODUCT SYNONYMS

MT-CYB; Polyclonal Antibody; MT-CYB Antibody; COB; Complex III subunit 3; Complex III subunit III; CYB_HUMAN; CYTB; Cytochrome b; Cytochrome b c1 complex subunit 3; Cytochrome b-c1 complex subunit 3; Mitochondrially encoded cytochrome b; MTCYB; Ubiquinol cytochrome c reductase complex cytochrome b subunit; Ubiquinol-cytochrome-c reductase complex cytochrome b subunit; anti-MT-CYB antibody

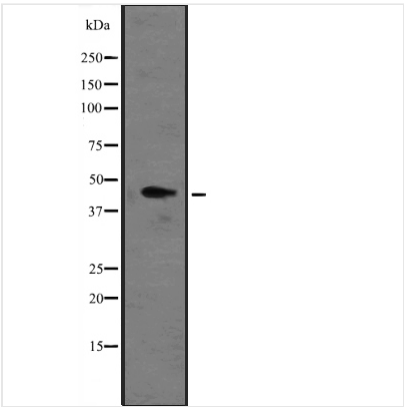
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MT-CYB antibody detects endogenous levels of total MT-CYB
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	380
Applicable Applications for anti-MT-CYB antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Inner Membrane.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (83%), Zebrafish (82%), Bovine (83%), Horse (83%), Sheep (83%), Rabbit (91%), Dog (92%), Chicken (91%), Xenopus (92%)
Conjugation	Unconjugated

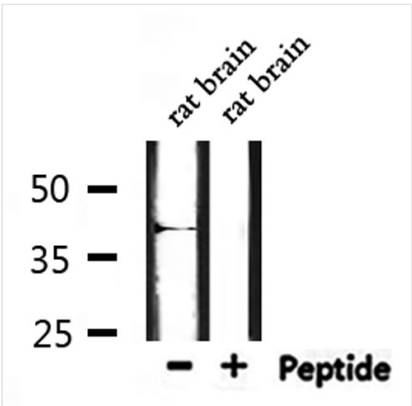
IMAGES



IHC (Immunohistochemisry)
AAA323398 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of MT-CYB expression in Hela cell lysate, The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from rat brain, using MT-CYB Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MT-CYB antibody

Function: Component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex) that is part of the mitochondrial respiratory chain. The b-c1 complex mediates electron transfer from ubiquinol to cytochrome c. Contributes to the generation of a proton gradient across the mitochondrial membrane that is then used for ATP synthesis.

Subunit Structure: The cytochrome bc1 complex contains 11 subunits: 3 respiratory subunits (MT-CYB, CYC1 and UQCRFS1), 2 core proteins (UQCRC1 and UQCRC2) and 6 low-molecular weight proteins (UQCRH/QCR6, UQCRB/QCR7, UQCRQ/QCR8, UQCR10/QCR9, UQCR11/QCR10 and a cleavage product of UQCRFS1). This cytochrome bc1 complex then forms a dimer.

Similarity: Belongs to the cytochrome b family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	251831119
NCBI GeneID	4519
NCBI Accession #	YP_003024038.1
NCBI GenBank Nucleotide #	NC_012920.1
UniProt Accession #	P00156; Q34786; Q8HBR6; Q8HNQ0; Q8HNQ1; Q8HNQ9; Q8HNR4; Q8HNR7; Q8W7V8; Q8WCV9; Q8WCY2; Q8WCY7
Molecular Weight	Observed: 43 kDa Predicted: 43 kDa

NCBI Official Full Name	cytochrome b (mitochondrion)
NCBI Official Synonym Full Names	mitochondrially encoded cytochrome b
NCBI Official Symbol	MT-CYB
NCBI Official Synonym Symbols	MTCYB; CYTB
NCBI Protein Information	cytochrome b
UniProt Protein Name	Cytochrome b
UniProt Gene Name	MT-CYB
UniProt Synonym Gene Names	COB; CYTB; MTCYB

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/polyclonal/mt-cyb-antibody-immunohistochemistry-western-blot-elisa/323398>