

Rabbit COQ7 Polyclonal Antibody | anti-COQ7 antibody

COQ7 Antibody

CATALOG # AAA323083	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	---

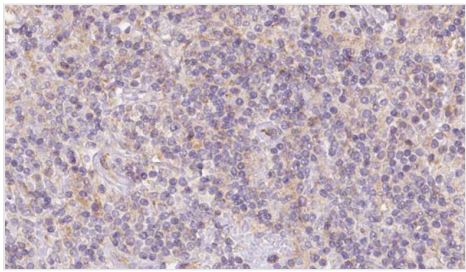
PRODUCT SYNONYMS

COQ7; Polyclonal Antibody; COQ7 Antibody; 5 demethoxyubiquinone hydroxylase mitochondrial; CAT5; CLK 1; CLK1; Coenzyme Q biosynthesis protein 7 homolog; Coenzyme Q7 homolog ubiquinone; Coenzyme Q7 hydroxylase; COQ10D8; coq7; COQ7 coenzyme Q 7 homolog ubiquinone; COQ7 protein; COQ7_HUMAN; DMQ hydroxylase; Placental protein KG 20; Timing protein clk-1 homolog; Ubiquinone biosynthesis monooxygenase COQ7; Ubiquinone biosynthesis protein COQ7 homolog; anti-COQ7 antibody

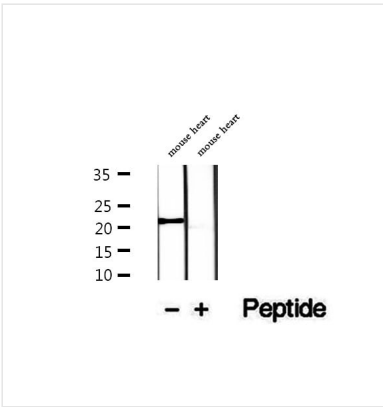
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	COQ7 antibody detects endogenous levels of COQ7.
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	179
Applicable Applications for anti-COQ7 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human COQ7.
Subcellular Location	Mitochondrion Inner Membrane. Synthesized as a preprotein that is imported into the mitochondrial matrix, where the sequence is cleaved off and the mature protein becomes loosely associated with the inner membrane.
Tissue Specificity	Expressed dominantly in heart and skeletal muscle.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323083 at 1/100 staining Human lymph cancer 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 extracts of mouse heart tissue, using COQ7 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-COQ7 antibody	Function: Catalyzes the hydroxylation of 2-polyprenyl-3-methyl-6-methoxy-1, 4-benzoquinol (DMQH2) during ubiquinone biosynthesis. Has also a structural role in the COQ enzyme complex, stabilizing other COQ polypeptides. Involved in lifespan determination in a ubiquinone-independent manner. Subunit Structure: Component of a multi-subunit COQ enzyme complex, composed of at least COQ3, COQ4, COQ5, COQ6, COQ7 and COQ9 (By similarity). Interacts with COQ8B and COQ6 (PubMed:24270420). Interacts with COQ9 (PubMed:25339443). Similarity: Belongs to the COQ7 family.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	300244542
NCBI GeneID	10229
NCBI Accession #	NP_001177912.1
NCBI GenBank Nucleotide #	NM_001190983.1
UniProt Accession #	Q99807; Q9BTT7; Q9H0T5; Q9UEW5; Q9UNR5; B2RDA9
Molecular Weight	Observed: 22 kDa Predicted: 25 kDa
NCBI Official Full Name	5-demethoxyubiquinone hydroxylase, mitochondrial isoform 2
NCBI Official Synonym Full Names	coenzyme Q7, hydroxylase
NCBI Official Symbol	COQ7
NCBI Official Synonym Symbols	CAT5; CLK1; CLK-1; COQ10D8
NCBI Protein Information	5-demethoxyubiquinone hydroxylase, mitochondrial
UniProt Protein Name	5-demethoxyubiquinone hydroxylase, mitochondrial
UniProt Gene Name	COQ7
UniProt Synonym Gene Names	DMQ hydroxylase

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.