

Rabbit anti-Human, Mouse CYC1 Polyclonal Antibody | anti-CYC1 antibody

CYC1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325336	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

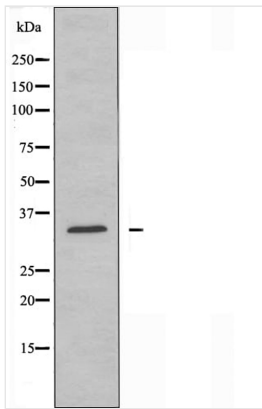
PRODUCT SYNONYMS

CYC1; Polyclonal Antibody; CYC1 Antibody; CYL2; CYLC 2; Cylicin 2; Cylicin basic protein of sperm head cytoskeleton 2; Cylicin II; Cylicin2; MGC129591; Multiple band polypeptide II; anti-CYC1 antibody

PRODUCT SPECIFICATIONS

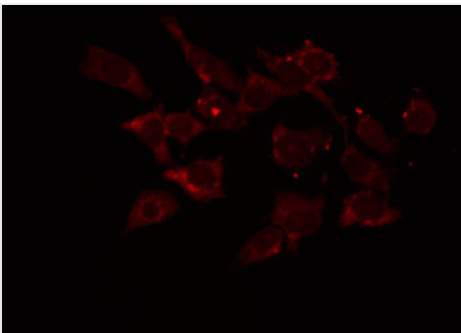
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CYC1 antibody detects endogenous levels of total CYC1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	325
Applicable Applications for anti-CYC1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Inner Membrane.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using CYC1 antibody.



IF (Immunofluorescence)

AAA325336 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CYC1 antibody	Function: This is the heme-containing component of the cytochrome b-c1 complex, which accepts electrons from Rieske protein and transfers electrons to cytochrome c in the mitochondrial respiratory chain. Subunit Structure: The bc1 complex contains 11 subunits: 3 respiratory subunits (cytochrome b, cytochrome c1 and Rieske/UQCRCFS1), 2 core proteins (UQCRC1/QCR1 and UQCRC2/QCR2) and 6 low-molecular weight proteins (UQCRH/QCR6, UQCRB/QCR7, UQCRQ/QCR8, UQCR10/QCR9, UQCR11/QCR10 and a cleavage product of Rieske/UQCRCFS1). Post-translational Modifications: Binds 1 heme group per subunit. Similarity: Belongs to the cytochrome c family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21359867
NCBI GeneID	1537
NCBI Accession #	NP_001907.2
NCBI GenBank Nucleotide #	NM_001916.4
UniProt Accession #	P08574; Q5U062; Q6FHS7
Molecular Weight	Observed: 35 kD Predicted: 36 kDa
NCBI Official Full Name	cytochrome c1, heme protein, mitochondrial
NCBI Official Synonym Full Names	cytochrome c1
NCBI Official Symbol	CYC1
NCBI Official Synonym Symbols	UQCR4; MC3DN6
NCBI Protein Information	cytochrome c1, heme protein, mitochondrial
UniProt Protein Name	Cytochrome c1, heme protein, mitochondrial
UniProt Gene Name	CYC1
UniProt Synonym Gene Names	Cytochrome c-1

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.

