

For Research Use Only

CYC1 Recombinant monoclonal antibody

Catalog Number: 87841-1-RR



Basic Information

Catalog Number: 87841-1-RR	GenBank Accession Number: BC001006	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1537	CloneNo.: 253398C3
Source: Rabbit	UNIPROT ID: P08574	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: cytochrome c-1	
Immunogen Catalog Number: AG0291	Calculated MW: 35 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : MDA-MB-231 cells, PC-3 cells, Raji cells, Ramos cells, MCF-7 cells, mouse brain tissue, fetal human brain tissue

Background Information

CYC1, also named as Cytochrome c-1, belongs to the cytochrome c family. Cytochrome c1 is one respiratory subunit of the 11 subunits of the cytochrome bc1 complex of the mitochondrial electron-transfer chain. It mediates the transfer of an electron from Rieske iron-sulfur protein to cytochrome c (PMID:3036122). CYC1 mediates apoptosis. In this pathway, a variety of apoptotic stimuli cause CYC1 release from mitochondria, which in turn induces a series of biochemical reactions that result in caspase activation and subsequent cell death. (PMID:15189137) While CYC1 release and DNA fragmentation are unaffected by the noncleavable p75 mutant, mitochondrial morphology of dying cells is maintained, and loss of plasma membrane integrity is delayed (PMID:15186778).

Storage

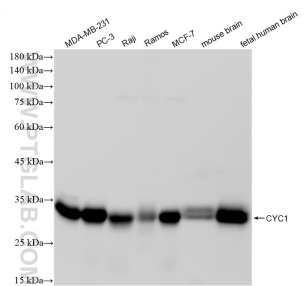
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

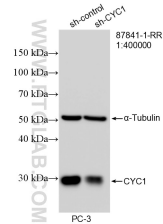
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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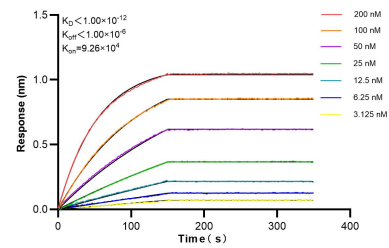
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87841-1-RR (CYC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of CYC1 antibody (87841-1-RR; 1:400000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CYC1 transfected PC-3 cells.



Biolayer interferometry (BLI) kinetic assays of 87841-1-RR against Human CYC1 were performed. The affinity constant is below 1 pM.