

For Research Use Only

CYC1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87841-1-PBS



Basic Information

Catalog Number: 87841-1-PBS	GenBank Accession Number: BC001006	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 1537	CloneNo.: 253398C3
Isotype: IgG	UNIPROT ID: P08574	
Immunogen Catalog Number: AG0291	Full Name: cytochrome c-1	
	Calculated MW: 35 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

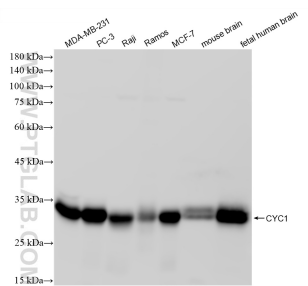
T: 4006900926

E: Proteintech-CN@ptglab.com

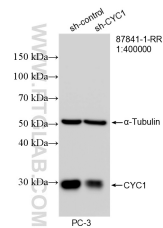
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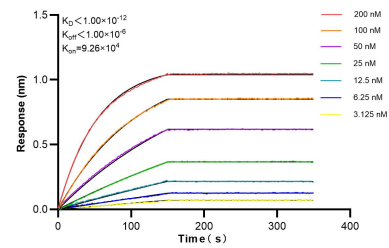
Selected Validation Data



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. This data was developed using the same antibody clone with 87841-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 87841-1-PBS in a different storage buffer formulation.



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