

For Research Use Only

# CYC1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87841-1-PBS



## Basic Information

Catalog Number:

87841-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0291

GenBank Accession Number:

BC001006

GeneID (NCBI):

1537

UNIPROT ID:

P08574

Full Name:

cytochrome c-1

Calculated MW:

35 kDa

Observed MW:

35 kDa

Purification Method:

Protein A purification

CloneNo.:

253398C3

## 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 noncleavablep75 mutant, mitochondrial morphology of dying cells is maintained, and loss of plasma membrane integrity is delayed(PMID:15186778).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

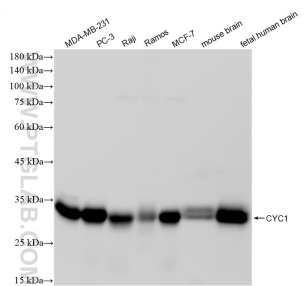
For technical support and original validation data for this product please contact:

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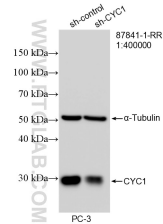
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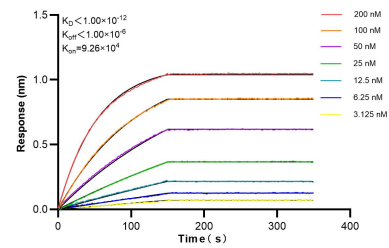
## Selected Validation Data



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.