

For Research Use Only

CYC1 Recombinant monoclonal antibody

Catalog Number: 87841-1-RR



Basic Information

Catalog Number:

87841-1-RR

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

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

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

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

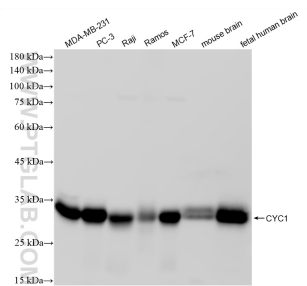
T: 4006900926

E: Proteintech-CN@ptglab.com

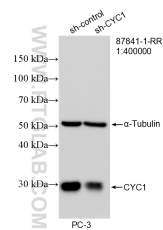
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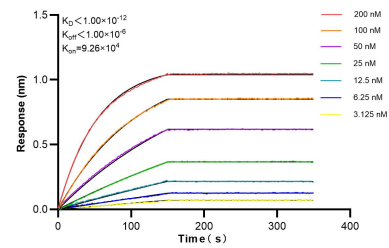
Selected Validation Data



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.



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.