

For Research Use Only

Cryptochrome 2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 85866-1-PBS



Basic Information

Catalog Number:	85866-1-PBS	GenBank Accession Number:	BC041814	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	1408	CloneNo.:	250166A8
Source:	Rabbit	UNIPROT ID:	Q49AN0		
Isotype:	IgG	Full Name:	cryptochrome 2 (photolyase-like)		
Immunogen Catalog Number:	AG38484	Calculated MW:	593 aa, 67 kDa		
		Observed MW:	65-70 kDa		

Applications

Tested Applications:

WB, IP, Indirect ELISA

Species Specificity:

human, mouse

Background Information

Cryptochrome circadian clock 2 (CRY2) is a flavin adenine dinucleotide-binding protein that is a key component of the circadian core oscillator complex, which regulates the circadian clock. Loss of CRY2 stabilizes c-MYC and enhances cellular transformation. CRY2 can function as a co-factor for the SCF substrate adaptor FBXL3 (PMID: 27840026).

Storage

Storage:

Store at -80°C.

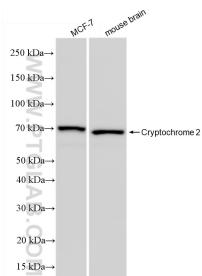
Storage Buffer:

PBS only, pH7.3

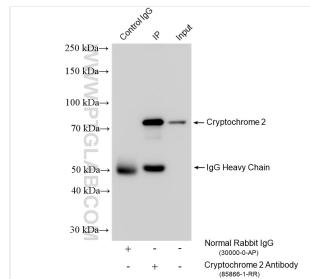
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85866-1-RR (Cryptochrome 2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85866-1-PBS in a different storage buffer formulation.



IP result of anti-Cryptochrome 2 (IP:85866-1-RR, 4ug; Detection:85866-1-RR 1:2000) with mouse brain tissue lysate 1720 ug. This data was developed using the same antibody clone with 85866-1-PBS in a different storage buffer formulation.