

For Research Use Only

Cryptochrome 2 Recombinant monoclonal antibody

Catalog Number: 85866-1-RR



Basic Information

Catalog Number:	85866-1-RR	GenBank Accession Number:	BC041814	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	1408	CloneNo.:	250166A8
Isotype:	IgG	UNIPROT ID:	Q49AN0	Recommended Dilutions:	WB: 1:2000-1:12000 IP: 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Immunogen Catalog Number:	AG38484	Full Name:	cryptochrome 2 (photolyase-like)	Calculated MW:	593 aa, 67 kDa
				Observed MW:	65-70 kDa

Applications

Tested Applications:	Positive Controls:
WB, IP, ELISA	WB: MCF-7 cells, mouse brain tissue
Species Specificity:	IP: mouse brain tissue,
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 -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:

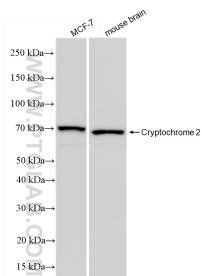
T: 4006900926

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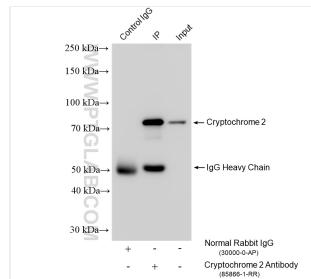
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Selected Validation Data



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.



IP result of anti -Cryptochrome 2 (IP:85866-1-RR, 4ug; Detection:85866-1-RR 1:2000) with mouse brain tissue lysate 1720 ug.