SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-PER2 Monoclonal Antibody

Catalog Number: SLA1024M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG/Kappa
Clonality:	Monoclonal
Clone No.:	12B5
GeneID:	8864
SWISS:	O15055
Target:	PER2
Immunogen:	KLH conjugated synthetic peptide derived from human PER2
Purification:	affinity purified by Protein A
Concentration:	1mg/m
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat
Predicted MW.:	138 kDa
Subcellular Location:	Nucleus
Background:	PER2, a mammalian homologue of the Drosophila period gene, shares a 40% homology with PER1 including the protein dimerization PAS domain. PER2 is a circadian regulator that may act as a transcription factor. It behaves as a negative element in circadian transcriptional loop. PER2 does not appear to bind DNA, suggesting indirect transcriptional inhibition. Expression oscillates with a 24 hour rhythm in the suprachiasmatic nucleus (SCN) and the whole eyes. Oscillations are maintained under constant darkness and are responsive

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	to changes of the light/dark cycles. There is a 4 hour time delay between PER1 and PER2 oscillations. The expression rhythms appear to originate from retina.

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