

## SHARP1 monoclonal antibody

Catalog: MB67198

Host: Mouse

Reactivity: Human, Mouse, Rat

### BackGround:

Transcriptional repressor involved in the regulation of the circadian rhythm by negatively regulating the activity of the clock genes and clock-controlled genes. Acts as the negative limb of a novel autoregulatory feedback loop (DEC loop) which differs from the one formed by the PER and CRY transcriptional repressors (PER/CRY loop). Both these loops are interlocked as it represses the expression of PER1 and in turn is repressed by PER1/2 and CRY1/2. Represses the activity of the circadian transcriptional activator: CLOCK-BMAL1 heterodimer by competing for the binding to E-box elements (5'-CACGTG-3') found within the promoters of its target genes. Negatively regulates its own expression and the expression of DBP and BHLHE41/DEC2. Acts as a corepressor of RXR and the RXR-LXR heterodimers and represses the ligand-induced RXRA/B/G, NR1H3/LXRA, NR1H4 and VDR transactivation activity. Inhibits HNF1A-mediated transactivation of CYP1A2, CYP2E1 AND CYP3A11 (By similarity).

### Product:

Mouse IgG2b kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 40 kDa

### Swiss-Prot:

Q9C0J9

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/1000 - 1/2000)

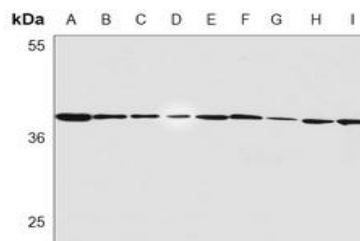
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of SHARP1 protein.

### DATA:



Western blot analysis of SHARP1 expression in HeLa (A), RD (B), SHSY5Y (C), HepG2 (D), mouse brain (E), mouse skeletal muscle (F), rat skeletal muscle (G), rat brain (H), CHO (I) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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