

**bsm-51684M****[ Primary Antibody ]****CRY2 Mouse mAb****BioSS**  
ANTIBODIES

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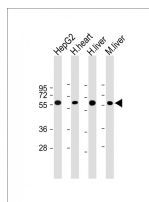
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**— DATASHEET —**

<b>Host:</b> Mouse	<b>Isotype:</b> IgG1, k	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Monoclonal	<b>CloneNo.:</b> Q3W3	<b>Reactivity:</b> Human, Mouse
<b>GeneID:</b> 1408	<b>SWISS:</b> Q49AN0	
<b>Target:</b> CRY2		
<b>Purification:</b> affinity purified by Protein G		<b>Predicted MW.:</b> 65 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> This gene encodes a flavin adenine dinucleotide-binding protein that is a key component of the circadian core oscillator complex, which regulates the circadian clock. This gene is upregulated by CLOCK/ARNTL heterodimers but then represses this upregulation in a feedback loop using PER/CRY heterodimers to interact with CLOCK/ARNTL. Polymorphisms in this gene have been associated with altered sleep patterns. The encoded protein is widely conserved across plants and animals. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2014]		

**— VALIDATION IMAGES —**

Sample: Lane 1: HepG2 cell lysates Lane 3:  
Human heart tissue lysates Lane 3: Human liver  
tissue lysates Lane 4: Mouse liver tissue lysates  
Primary: Anti-CRY2 (bsm-51684M) at 1/4000  
dilution Secondary: IRDye800CW Goat Anti-  
Mouse IgG at 1/20000 dilution Predicted band  
size: 65 kD Observed band size: 60 kD