

Product name:	CRY1 Rabbit Polyclonal Antibody
Cat number:	AB-E12249
Conjugate:	unconjugated
Size:	100 ug
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from human CRY protein . at AA range: 120-200
Reactivity:	Human, Mouse, Rat
Applications:	Western Blot 1:500- 1:2000
Molecular Weight:	64kd
Purification:	affinity purified
Form:	Liquid
Buffer:	PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide
Storage:	Store at -20°C. Avoid repeated freeze-thaw cycles.
Background:	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.