



PER2 Mouse mAb

Catalog No	YP-mAb-18394
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PER2 (O15055)
Specificity	
Formulation	
Source	
Purification	Affinity purification
Dilution	WB 1:500 - 1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FASPS;hPER2;KIAA0347;PER2;period homolog 2 (Drosophila);FASPS1
Observed Band	45 kDa
Calculated Molecular Weight	137KD
Cell Pathway	
Tissue Specificity	
Function	
Background	This gene is a member of the Period family of genes and is expressed in a circadian pattern in the suprachiasmatic nucleus, the primary circadian pacemaker in the mammalian brain. Genes in this family encode components of the circadian rhythms of locomotor activity, metabolism, and behavior. 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 may increase the risk of getting certain cancers and have been linked to sleep disorders



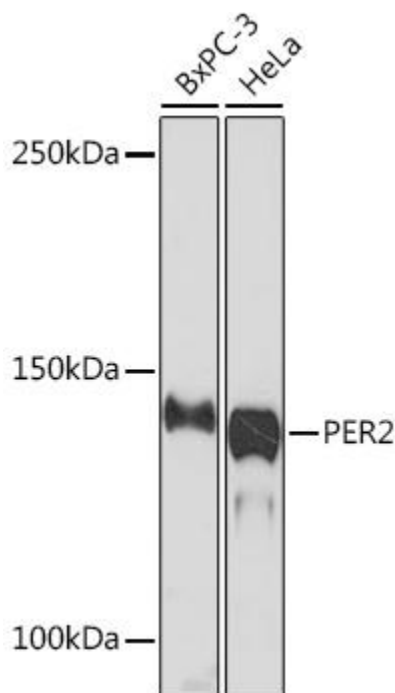
matters needing attention

Avoid repeated freezing and thawing!

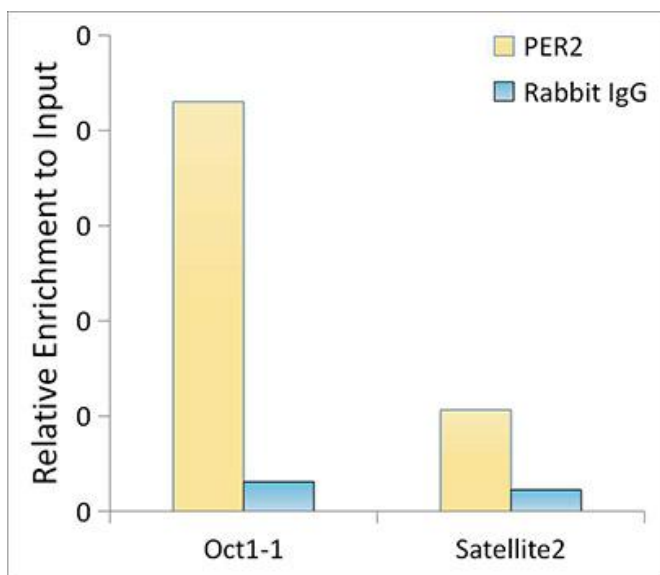
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of various lysates using PER2 Mouse mAb (A5107) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3min.



Chromatin immunoprecipitation analysis of extracts of MCF7 cells, using PER2 antibody (A5107) and Mouse IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input