

## CAB5107

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**Product Information**

<b>Product SKU:</b>	CAB5107	<b>Gene ID:</b>	8864	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	ARC1134	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human

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**Additional Information**

<b>Observed MW:</b>	140kDa	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	137kDa	<b>Isotype:</b>	IgG

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**Immunogen Information**

**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.

**Recommended Dilution:** WB, 1:500 - 1:2000 ChIP, 5µg antibody for 10µg-15µg of Chromatin

**Synonyms:** FASPS; FASPS1; PER2

**Purification Method:** Affinity purification

**Immunogen:** A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PER2 (O15055).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.