


Anti-PER1 antibody [2715C2] ab58886

1 图像

概述

产品名称	Anti-PER1抗体[2715C2]
描述	小鼠单克隆抗体[2715C2] to PER1
宿主	Mouse
经测试应用	适用于: WB
种属反应性	与反应: Recombinant fragment 预测可用于: Human 
免疫原	Recombinant fragment of Human PER1
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: PBS, 0.0225% Potassium chloride, 0.03% Potassium phosphate, 0.1312% Sodium phosphate, 0.812% Sodium chloride, 1% BSA</p>
纯度	Protein G purified
纯化说明	Purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum and filtered through a 0.22µm membrane.
克隆	单克隆
克隆编号	2715C2

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab58886于以下的经测试应用

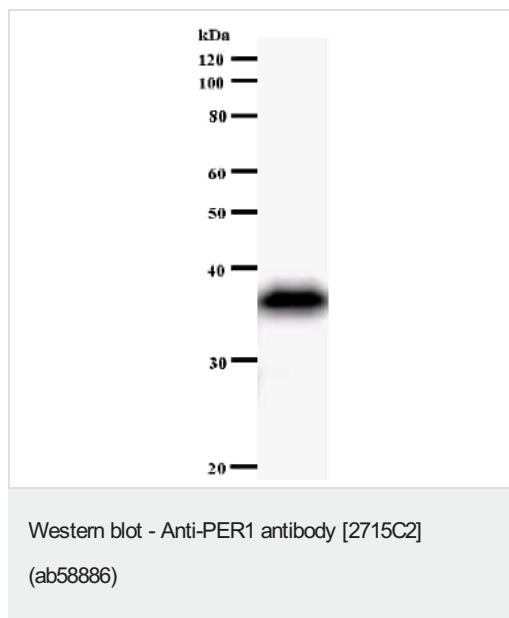
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use at an assay dependent concentration. Predicted molecular weight: 136 kDa. Antibody has only been tested on the recombinant fragment (immunogen). We have no data regarding endogenous samples.

靶标

功能	Component of the circadian clock mechanism which is essential for generating circadian rhythms. Negative element in the circadian transcriptional loop. Influences clock function by interacting with other circadian regulatory proteins and transporting them to the nucleus. Negatively regulates CLOCK NPAS2-BMAL1 BMAL2-induced transactivation.
组织特异性	Widely expressed. Found in heart, brain, placenta, lung, liver, skeletal muscle, pancreas, kidney, spleen, thymus, prostate, testis, ovary and small intestine. Highest level in skeletal muscle. Low level in kidney.
序列相似性	Contains 1 PAC (PAS-associated C-terminal) domain. Contains 2 PAS (PER-ARNT-SIM) domains.
翻译后修饰	Phosphorylated on serine residues by CSNK1E. Also can be phosphorylated by the delta isoform. Phosphorylation by CSNK1 retains PER1 in the cytoplasm and leads to its ubiquitination and subsequent degradation. Phosphorylated upon DNA damage, probably by ATM or ATR. Ubiquitinated.
细胞定位	Nucleus. Cytoplasm. Mainly nuclear. Nucleocytoplasmic shuttling is effected by interaction with other circadian core oscillator proteins and/or by phosphorylation. Retention of PER1 in the cytoplasm occurs through PER1-PER2 heterodimer formation or by interaction with CSNK1E and/or phosphorylation which appears to mask the PER1 nuclear localization signal. Also translocated to the nucleus by CRY1 or CRY2.

图片



Anti-PER1 antibody [2715C2] (ab58886) + immunising
recombinant fragment

Predicted band size: 136 kDa

The molecular weight of the band on the western blot does not
correspond to the molecular weight of the natural protein because
only a fragment of the protein was used.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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