abcam

Product datasheet

Anti-PRPF8 antibody ab87433

1 References 2 图像

概述

产品名称	Anti-PRPF8抗体
描述	兔多克隆抗体to PRPF8
经测试应用	**适用于:** WB, ICC/IF
种属反应性	**与反应:** Mouse, Human **预测可用于:** Rat, Cow
免疫原	Synthetic peptide conjugated to KLH derived from within residues 2300 to the C-terminus of Human PRPF8.参阅Abcam的专有抗源政策(Peptide available as ab87434.)
阳性对照	This antibody gave a positive signal in the following lysates: HeLa Whole Cell lysate; HeLa Nuclear Lysate; NIH 3T3 Whole Cell lysate; A431 Whole Cell Lysate; MEF1 Whole Cell Lysate.

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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our Abpromise guarantee covers the use of **ab87433** in the following tested applications.

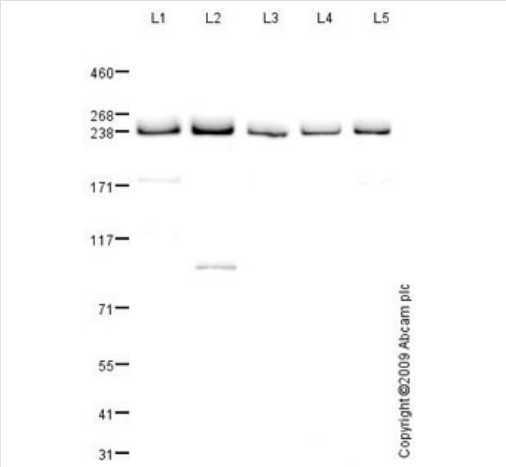
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 250 kDa (predicted molecular weight: 274 kDa).
ICC/IF		Use a concentration of 1 µg/ml.

靶标

功能	Central component of the spliceosome, which may play a role in aligning the pre-mRNA 5'- and 3'-exons for ligation. Interacts with U5 snRNA, and with pre-mRNA 5'-splice sites in B spliceosomes and 3'-splice sites in C spliceosomes.
组织特异性	Widely expressed.
疾病相关	Defects in PRPF8 are the cause of retinitis pigmentosa type 13 (RP13) [MIM:600059]. RP leads to degeneration of retinal photoreceptor cells. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well. RP13 inheritance is autosomal dominant.
序列相似性	Contains 1 MPN (JAB/Mov34) domain.
结构域	The MPN domain has structural similarity with viral ribonucleases and RNase H, but unlike RNases, it does not bind any metal ions.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Nucleus speckle.

Anti-PRPF8 antibody 图像



Western blot - Anti-PRPF8 antibody (ab87433)

All lanes : Anti-PRPF8 antibody (ab87433) at 1 µg/ml

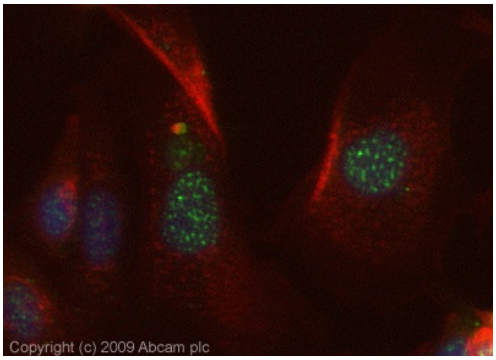
Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate
Lane 2 : HeLa (Human epithelial carcinoma cell line) Nuclear Lysate
Lane 3 : NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate
Lane 4 : A431 (Human epithelial carcinoma cell line) Whole Cell Lysate
Lane 5 : MEF1 (Mouse embryonic fibroblast cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary
Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution
Developed using the ECL technique

Performed under reducing conditions.

Predicted band size : 274 kDa
Observed band size : 250 kDa
Additional bands at : 100 kDa,175 kDa. We are unsure as to the identity of these extra bands.



Immunocytochemistry/ Immunofluorescence - PRPF8 antibody (ab87433)

ICC/IF image of ab87433 stained MCF-7 cells. The cells were 100% Methanol fixed (5 min) and then incubated in 1%BSA / 10% normal Goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab87433, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 Goat anti-Rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in 100% Methanol fixed (5 min) Hek293, and HepG2 cells at 1µg/ml.

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