


Product datasheet

Anti-PLRG1 antibody ab86050

[1 References](#) [3 Images](#)

Overview

Product name	Anti-PLRG1 antibody
Description	Rabbit polyclonal to PLRG1
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Cow 
Immunogen	Synthetic peptide within Human PLRG1 aa 450 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: O43660
Positive control	WB: HeLa, HEK-293T and NIH/3T3 whole cell lysates. IHC-P: Human breast carcinoma and prostate carcinoma tissue. IP: HeLa whole cell lysate.
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: Tris buffered saline, 0.1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

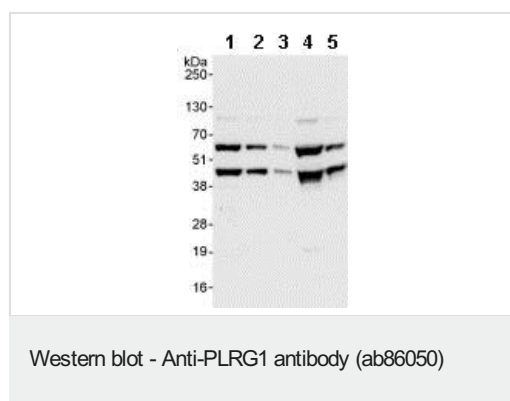
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab86050 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Detects a band of approximately 57 kDa (predicted molecular weight: 57 kDa).
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/200 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	Necessary for spliceosome assembly and for pre-mRNA splicing.
Sequence similarities	Belongs to the WD repeat PRL1/PRL2 family. Contains 7 WD repeats.
Cellular localization	Nucleus speckle.

Images



All lanes : Anti-PLRG1 antibody (ab86050) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : HeLa whole cell lysate at 5 µg

Lane 4 : 293T whole cell lysate at 50 µg

Lane 5 : NIH3T3 whole cell lysate at 50 µg

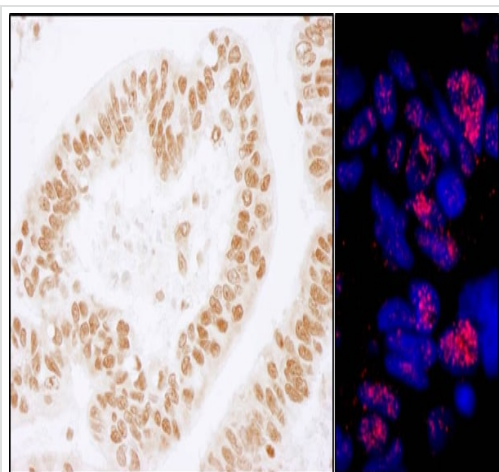
Developed using the ECL technique.

Predicted band size: 57 kDa

Observed band size: 57 kDa

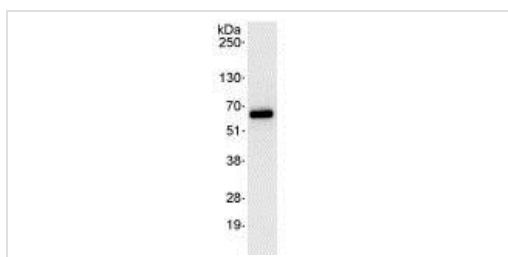
Additional bands at: 45 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 3 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PLRG1 antibody (ab86050)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostate carcinoma (left) and breast carcinoma (right) tissues labelling PLRG1 with ab86050 at 1/200 (1µg/ml). Detection: DAB and a DyLight® 594-conjugated goat anti-rabbit IgG (H+L) (1/100).



Immunoprecipitation - Anti-PLRG1 antibody (ab86050)

Detection of PLRG1 in Immunoprecipitates of HeLa whole cell lysate (1 mg for IP, 20% of IP loaded) using ab86050 at 3 µg/mg lysate for IP and at 0.4 µg/ml for subsequent Western blot detection. Detection: Chemiluminescence with exposure time of 3 seconds.

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

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