

For Research Use Only

XPR1 Polyclonal antibody

Catalog Number: 14174-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

14174-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5373

GenBank Accession Number:

BC041142

GeneID (NCBI):

9213

UNIPROT ID:

Q9UBH6

Full Name:

xenotropic and polytropic retrovirus receptor

Calculated MW:

696 aa, 82 kDa

Observed MW:

82-84 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

Applications

Tested Applications:

FC, IHC, WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Positive Controls:

WB : Jurkat cells,

IHC : human heart tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

XPR1 is a receptor for xenotropic and polytropic murine leukemia retroviruses and a homolog of yeast Syg1 and plant Pi transporter PHO1 (PMID: 20633538). XPR1 has been identified as an atypical G-protein-coupled receptor. Xenotropic or polytropic retrovirus binding to XPR1 can disrupt the cAMP-mediated signaling function of Xpr1, leading to the apoptosis of infected cells (PMID: 22090134).

Notable Publications

Author	Pubmed ID	Journal	Application
Xingyao Li	32019887	Proc Natl Acad Sci U S A	WB
Huifang Sun	36584480	Biochem Biophys Res Commun	WB
Yoko Akasu-Nagayoshi	35377528	Cancer Sci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

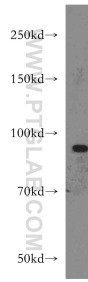
T: 4006900926

E: Proteintech-CN@ptglab.com

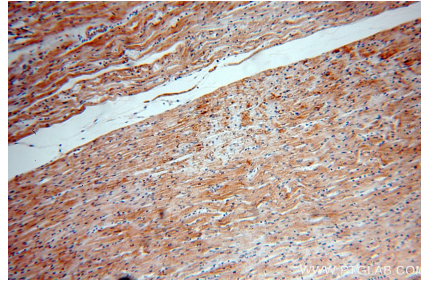
W: ptgcn.com

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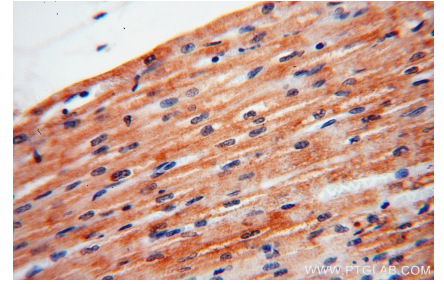
Selected Validation Data



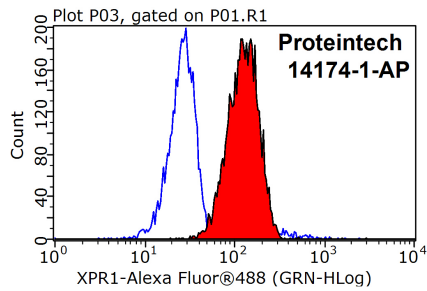
Jurkat cells were subjected to SDS PAGE followed by western blot with 14174-1-AP (XPR1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart using 14174-1-AP (XPR1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart using 14174-1-AP (XPR1 antibody) at dilution of 1:100 (under 40x lens).



1X10⁶ Jurkat cells were stained with 0.2ug XPR1 antibody (14174-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.