

For Research Use Only

# XPR1 Polyclonal antibody

Catalog Number: 14174-1-AP

Featured Product

8 Publications



## Basic Information

### Catalog Number:

14174-1-AP

### Size:

150ul, Concentration: 700 µg/ml by Nanodrop;

### 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

## Applications

### Tested Applications:

WB, FC (Intra), ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : Jurkat cells,

## 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). A band of about 82-100 kDa is probably due to abnormal migration of the protein or post-translation modifications. In addition, a band of about 55-72 kDa may be isoforms and fragments.

## 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

\*\*\* 20ul sizes contain 0.1% BSA

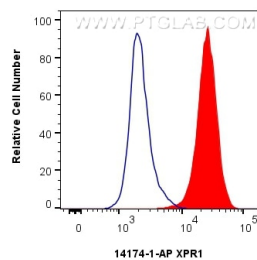
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

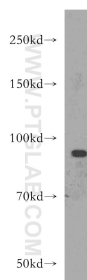
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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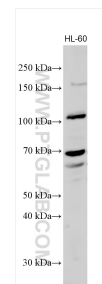
## Selected Validation Data



1x10<sup>6</sup> Jurkat cells were intracellularly stained with 0.25 ug XPR1 Polyclonal antibody (14174-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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.



Various lysates were subjected to SDS PAGE followed by western blot with 14174-1-AP (XPR1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.