

For Research Use Only

XPR1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 84902-1-PBS

Featured Product



Basic Information

Catalog Number:

84902-1-PBS

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:

74 kDa

Purification Method:

Protein A purification

CloneNo.:

241788A7

Applications

Tested Applications:

WB, IP, Indirect ELISA

Species Specificity:

human

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.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

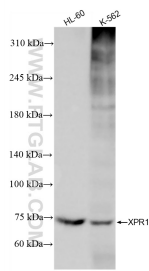
T: 4006900926

E: Proteintech-CN@ptglab.com

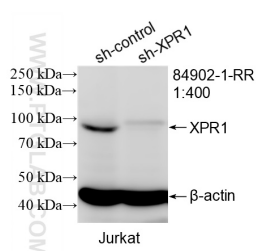
W: ptgcn.com

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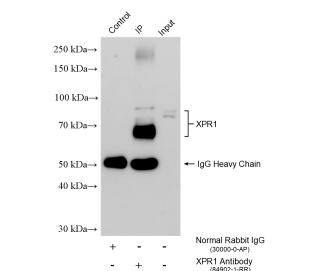
Selected Validation Data



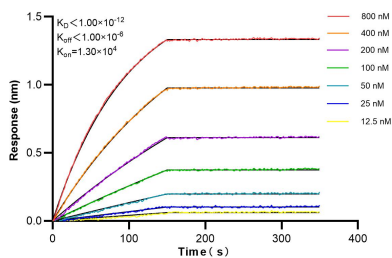
Various lysates were subjected to SDS PAGE followed by western blot with 84902-1-RR (XPR1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84902-1-PBS in a different storage buffer formulation.



WB result of XPR1 antibody (84902-1-RR; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-XPR1 transfected Jurkat cells. This data was developed using the same antibody clone with 84902-1-PBS in a different storage buffer formulation.



IP result of anti-XPR1 (IP:84902-1-RR, 4ug; Detection:84902-1-RR 1:1000) with Jurkat cells lysate 1800 ug. This data was developed using the same antibody clone with 84902-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84902-1-RR against Human XPR1 were performed. The affinity constant is below 1 pM.