

For Research Use Only

# IGBP1 Recombinant monoclonal antibody

Catalog Number:87726-1-RR



## Basic Information

Catalog Number:

87726-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6782

GenBank Accession Number:

BC004137

GeneID (NCBI):

3476

UNIPROT ID:

P78318

Full Name:

immunoglobulin (CD79A) binding protein 1

Calculated MW:

39 kDa

Observed MW:

39 kDa

Purification Method:

Protein A purification

CloneNo.:

253170E3

Recommended Dilutions:

WB: 1:2000-1:10000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC: 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HeLa cells, MCF-7 cells, Raji cells, K-562 cells, Jurkat cells, Ramos cells, NIH/3T3 cells

IP : Jurkat cells,

IF/ICC : HeLa cells,

## Background Information

Immunoglobulin-binding protein 1 (IGBP1), also known as ALPHA-4, was originally identified as a signal transduction molecule coprecipitating with MB1 (CD79a) protein of the B-cell antigen receptor (BCR) complex. IGBP1 has been characterized as an essential regulator of the catalytic activity of protein phosphatase 2A (PP2A), which is a ubiquitous phosphatase with broad substrate specificity and diverse cellular functions.

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

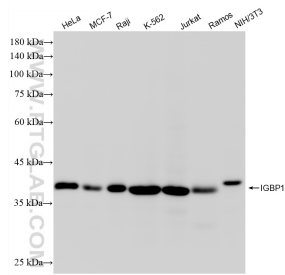
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

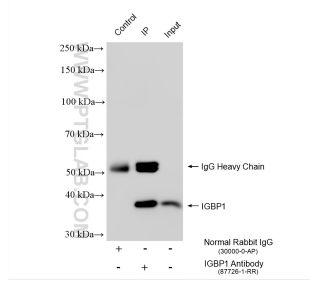
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

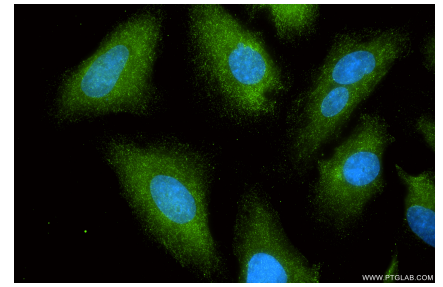
## Selected Validation Data



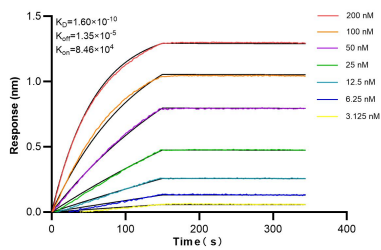
Various lysates were subjected to SDS PAGE followed by western blot with 87726-1-RR (IGBP1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-IGBP1 (IP:87726-1-RR, 4 $\mu$ g; Detection:87726-1-RR 1:1000) with Jurkat cells lysate 1080  $\mu$ g.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using IGBP1 antibody (87726-1-RR, Clone: 253170E3) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 87726-1-RR against Human IGBP1 were performed. The affinity constant is 0.16 nM.