For Research Use Only

# GIGYF2 Polyclonal antibody

Catalog Number:24790-1-AP Featured Product 9 Publications

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## Basic Information

Catalog Number:
24790-1-AP

Size:
150ul , Concentration: 550 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG20329

GenBank Accession Number:
BC146775

GeneID (NCBI):
26058

UNIPROT ID:
Q6Y7W6

Full Name:
GRB10 interacting GYF protein 2

Calculated MW:
1320 aa, 152 kDa

Observed MW:
150-170 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:2000-1:10000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:20-1:200
IF/ICC 1:50-1:500

## Applications

Tested Applications:
WB, IHC, IF/ICC, IP, ELISA

Cited Applications:
WB, IHC, IF, IP

Species Specificity:
human, mouse

Cited Species:
human, mouse

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

Positive Controls:

WB : HeLa cells, Jurkat cells, NIH/3T3 cells

IP : Jurkat cells,

IHC : human breast cancer tissue,

IF/ICC : HeLa cells,

## Background Information

GIGYF2 (GRB10 interacting GYF protein 2) was initially identified through its interaction with GRB10, an adapter protein that binds activated INS-like growth factor (IGF-I) and INS receptors (PMID: 12771153; 19744960). It may act cooperatively with GRB10 to regulate tyrosine kinase receptor signaling. The gene of GIGYF2 has been proposed as the Parkinson-disease (PD) gene underlying the PARK11 locus (PMID: 18358451).

## Notable Publications

| Author | Pubmed ID | Journal | Application |
|---|---|---|---|
| Michelle Harreman Lehner | 36288698 | Cell Rep | IP,WB |
| Limei Zou | 35756894 | iScience | WB,IF |
| Xiuying Liang | 34944635 | Biomedicines | IHC |

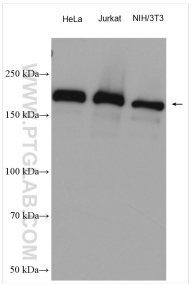
## Storage

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

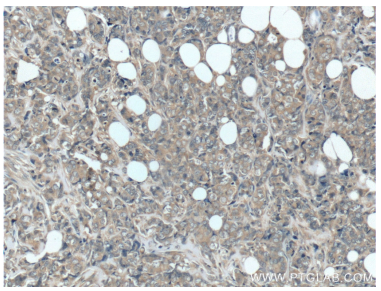
*** 20ul sizes contain 0.1% BSA

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
W: ptglab.com

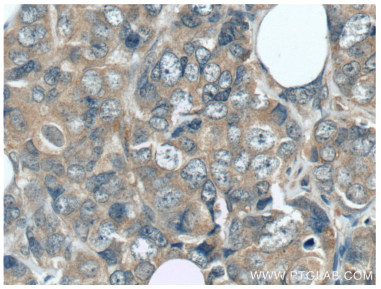
## Selected Validation Data



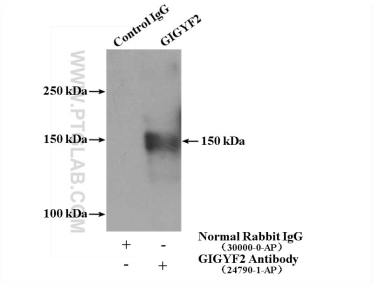

Various lysates were subjected to SDS PAGE followed by western blot with 24790-1-AP (GIGYF2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



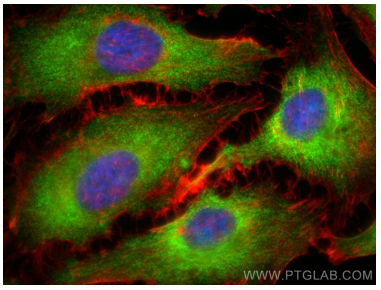

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 24790-1-AP (GIGYF2 Antibody) at dilution of 1:50 (under 10x lens).




Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 24790-1-AP (GIGYF2 Antibody) at dilution of 1:50 (under 40x lens).




IP result of anti-GIGYF2 (IP:24790-1-AP, 4ug; Detection:24790-1-AP 1:2000) with Jurkat cells lysate 2000ug.




Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using GIGYF2 antibody (24790-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).