

For Research Use Only

# GIGYF2 Polyclonal antibody

Catalog Number: 24790-1-AP

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 24790-1-AP	<b>GenBank Accession Number:</b> BC146775	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 26058	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> GRB10 interacting GYF protein 2	<b>IHC 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1320 aa, 152 kDa	<b>IF 1:50-1:500</b>
<b>Immunogen Catalog Number:</b> AG20329	<b>Observed MW:</b> 150-170 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, Jurkat cells, NIH/3T3 cells
<b>Cited Applications:</b> IF, IHC, IP, WB	<b>IP :</b> Jurkat cells,
<b>Species Specificity:</b> human, mouse	<b>IHC :</b> human breast cancer tissue,
<b>Cited Species:</b> human, mouse	<b>IF :</b> HeLa cells,

**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

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

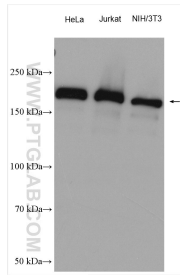
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

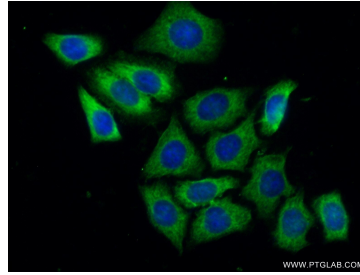
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

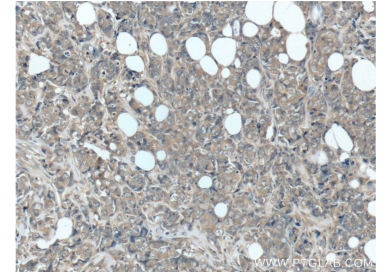
## Selected Validation Data



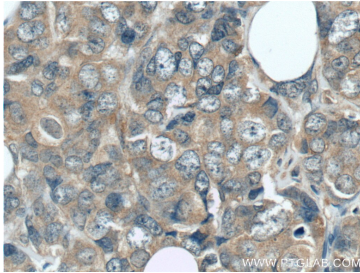
Various lysates were subjected to SDS PAGE followed by western blot with 24790-1-AP (GIGYF2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



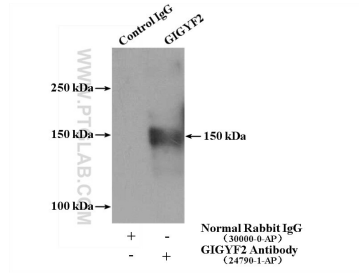
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 24790-1-AP (GIGYF2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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, 4 $\mu$ g; Detection:24790-1-AP 1:2000) with Jurkat cells lysate 2000 $\mu$ g.