# IFNGR1 Polyclonal Antibody

| Product Details | |
|---|---|
| Size | 100 µL |
| Species Reactivity | Human |
| Published Species | Mouse |
| Host/Isotype | Rabbit / IgG |
| Class | Polyclonal |
| Type | Antibody |
| Conjugate | Unconjugated |
| Immunogen | Recombinant protein fragment corresponding to a region within amino acids 206 and 436 of Human Interferon gamma Receptor 1 |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Antigen affinity chromatography |
| Storage buffer | PBS, pH 7, with 20% glycerol |
| Contains | 0.025% ProClin 300 |
| Storage conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |
| RRID | AB_2545317 |

| Applications | Tested Dilution | Publications |
|---|---|---|
| Western Blot (WB) | 1:500-1:3,000 | 1 Publication |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:100-1:1,000 | - |
| Immunocytochemistry (ICC/IF) | 1:100 | - |

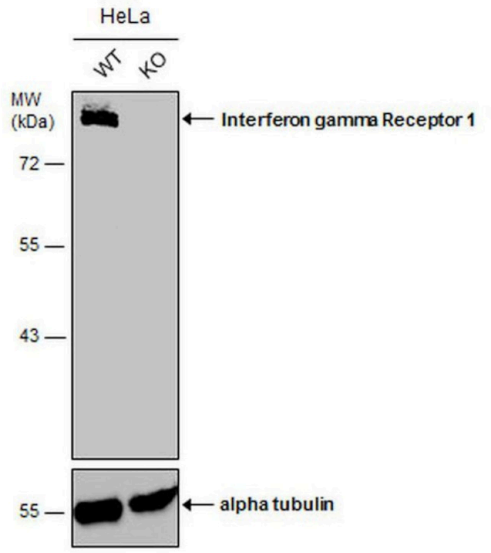
### Product Specific Information

Recommended positive controls: HeLa, THP-1, HepG2, HepG2 membrane extract.

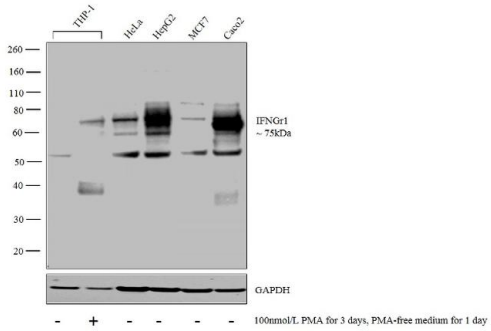
Predicted reactivity: Rhesus Monkey (95%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

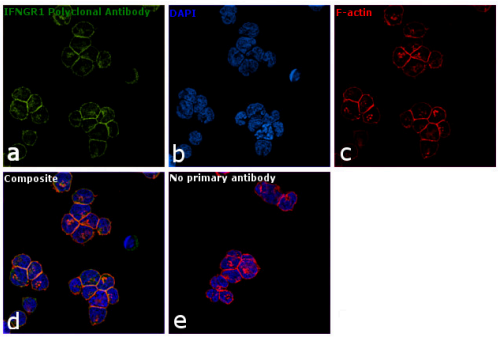
## Product Images For IFNGR1 Polyclonal Antibody




**IFNGR1 Antibody (PA5-27841)**
Antibody specificity was demonstrated by Knocking out the target protein. Interferon gamma Receptor 1 knockout (KO) HeLa cell extracts shows decrease in signal intensity in western blot application using Interferon gamma Receptor 1 polyclonal antibody (Product # PA5-27841). {KO}




**IFNGR1 Antibody (PA5-27841) in WB**
Western blot analysis was performed on Membrane enriched cell extracts (30 µg lysate) of THP-1 (Lane 1), THP-1 treated with PMA (100 nmol/L for 3 days followed by PMA-free medium for 1 day) (Lane 2), HeLa (Lane 3), HepG2 (Lane 4), MCF7 (Lane 5) and Caco2 (Lane 6). The blot was probed with Anti-IFNGR1 Polyclonal Antibody (Product # PA5-27841, 1:1,000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4,000 dilution). A 75 kDa band corresponding to IFNGR1 was observed across all the cell lines tested and was observed to be induced upon treatment of THP-1 cells with PMA. An additional band was also observed at ~52 kDa.




**IFNGR1 Antibody (PA5-27841) in ICC/IF**
Immunofluorescence analysis of IFNGR1 was performed using 70% confluent log phase THP-1 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with IFNGR1 Polyclonal Antibody (Product # PA5-27841) at 1:100 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415). Panel d represents the merged image showing membrane localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

## View more figures on thermofisher.cn

# 1 Reference

## Western Blot (1)

**Nature cell biology**

### Loss of ELF5-FBXW7 stabilizes IFNGR1 to promote the growth and metastasis of triple-negative breast cancer through interferon- signalling.

"PA5-27841 was used in Western Blotting to study the effects of a loss of ELF5 and FBXW7 on tumour progression of TNBC."

Authors: Singh S,Kumar S,Srivastava RK,Nandi A,Thacker G,Murali H,Kim S,Baldeon M,Tobias J,Blanco MA,Saffie R, Zaidi MR,Sinha S,Busino L,Fuchs SY,Chakrabarti R

**Year**
2020

**Species**
Mouse