

# IGF1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein fragment corresponding to a region within amino acids 9 and 139 of Human IGF1
Form	Liquid
Concentration	1.16 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_2544683

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

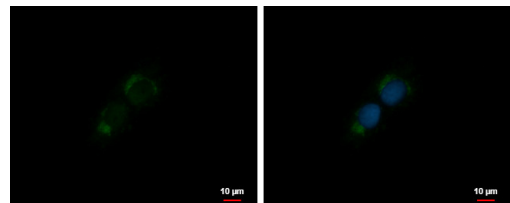
## Product Specific Information

Recommended positive controls: PC-3, U87-MG, SK-N-SH.

Predicted reactivity: Mouse (93%), Rat (94%), Xenopus laevis (80%), Dog (98%), Pig (96%), Rabbit (98%), Chicken (85%), Sheep (96%), Rhesus Monkey (100%), Bovine (97%), Guinea pig (100%).

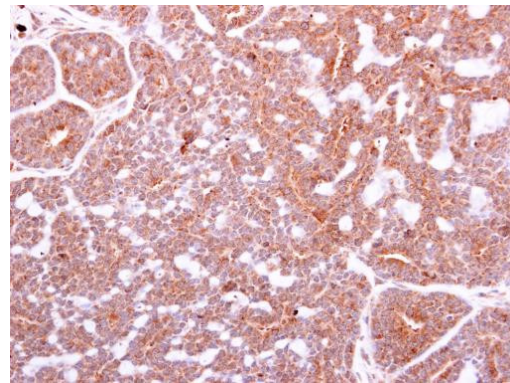
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For IGF1 Polyclonal Antibody



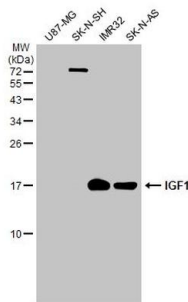
**IGF1 Antibody (PA5-27207) in ICC/IF**

IGF1 Polyclonal Antibody detects IGF1 protein at Golgi apparatus membrane by immunofluorescent analysis. Sample: SKNSH cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: IGF1 protein stained by IGF1 Polyclonal Antibody (Product # PA5-27207) diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10 µm.



**IGF1 Antibody (PA5-27207) in IHC (P)**

IGF1 Polyclonal Antibody detects IGF1 protein at cytoplasm on human breast carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded human breast carcinoma. IGF1 Polyclonal Antibody (Product # PA5-27207) diluted at 1:500. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



**IGF1 Antibody (PA5-27207) in WB**

Western Blot using IGF1 Polyclonal Antibody (Product # PA5-27207). Various whole cell extracts (30 µg) were separated by 15% SDS-PAGE, and the membrane was blotted with IGF1 Polyclonal Antibody (Product # PA5-27207) diluted at 1:1,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.

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## Western Blot (3)

### RNA biology

#### Translation of *Tudor-SN*, a novel terminal oligo-pyrimidine (TOP) mRNA, is regulated by the mTORC1 pathway in cardiomyocytes.

"PA5-27207 was used in Western Blot to suggest that the translational efficiency of Tudor-SN is regulated by the mTORC1 pathway in myocardia and that Tudor-SN is involved in mTORC1-mediated regulation of cardiomyocytic proliferation and cardiac development."

Authors: Gan S,Su C,Ma J,Liu M,Cui X,Xin L,Ren Y,Gao X,Ge L,Wei M,Yang J

Year  
2021

Species  
Mouse

### Oncotarget

#### The role of miR-24 as a race related genetic factor in prostate cancer.

"Published figure using IGF1 polyclonal antibody (Product # PA5-27207) in Western Blot"

Authors: Hashimoto Y,Shiina M,Kato T,Yamamura S,Tanaka Y,Majid S,Saini S,Shahryari V,Kulkarni P,Dasgupta P,Mitsui Y,Sumida M,Deng G,Tabatabai L,Kumar D,Dahiya R

Year  
2017

Species  
Human

Dilution  
1:1000

[View more WB references on thermofisher.com](#)

## Immunohistochemistry (1)

### International journal of molecular sciences

#### Innovative Three-Dimensional Microscopic Analysis of Uremic Growth Plate Discloses Alterations in the Process of Chondrocyte Hypertrophy: Effects of Growth Hormone Treatment.

"Published figure using IGF1 polyclonal antibody (Product # PA5-27207) in Immunohistochemistry"

Authors: Fernández-Iglesias Á,Fuente R,Gil-Peña H,Alonso-Durán L,García-Bengoa M,Santos F,López JM

Year  
2020

Species  
Rat

Dilution  
1:200

## Immunocytochemistry (1)

### Cells

#### Extracellular Matrix Components Regulate Bone Sialoprotein Expression in MDA-MB-231 Breast Cancer Cells.

"PA5-27207 was used in Immunocytochemistry-immunofluorescence to show that extracellular matrix components play an important function in regulating bone sialoprotein (BSP) expression and hint at mechanisms for the formation of bone-associated metastasis in breast cancer that might involve local control of BSP levels by extracellular matrix degradation and release of growth factors."

Authors: Keller F,Bruch R,Clauder F,Hafner M,Rudolf R

Year  
2021

Species  
Human

Dilution  
1:250

## More applications with references on thermofisher.com

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