

ITGB1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Pig, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 128 and 410 of Human Integrin beta 1
Form	Liquid
Concentration	1 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_2547082

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:10,000	2 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	3 Publications

Product Specific Information

Recommended positive controls: U87-MG, SK-N-SH, IMR32, SK-N-AS, human ITGB1-transfected 293T.

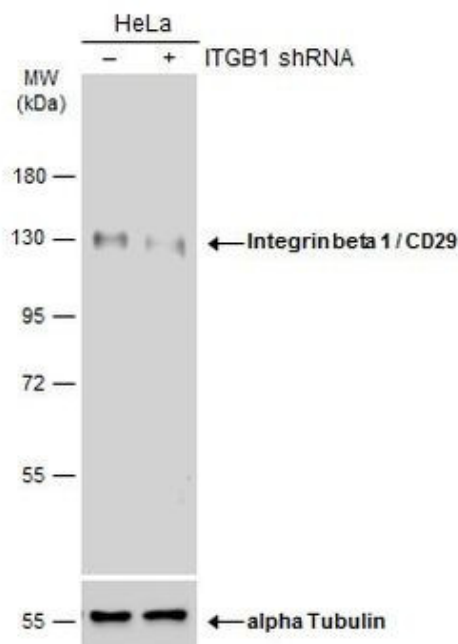
Predicted reactivity: Mouse (97%), Rat (97%), Xenopus laevis (91%), Cat (98%), Pig (98%), Chicken (94%), Sheep (98%), Bovine (97%).

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

Product Images For ITGB1 Polyclonal Antibody

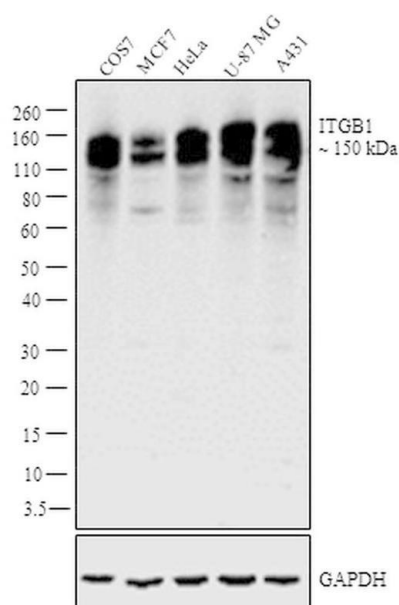
ITGB1 Antibody (PA5-29606)

Antibody specificity was demonstrated by shRNA mediated knockdown of target protein. HeLa cells were transfected with ITGB1 shRNA and decrease in signal intensity was observed in Western blotting using Anti-ITGB1 Polyclonal Antibody (Product # PA5-29606). {KD}



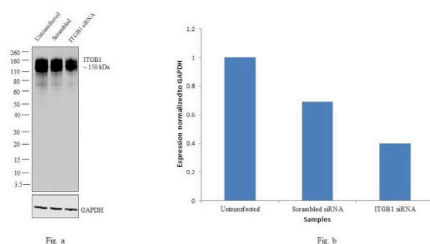
ITGB1 Antibody (PA5-29606) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of COS7 (Lane 1), MCF7 (Lane 2), HeLa (Lane 3), U-87 MG (Lane 4), A431 (Lane 5). The blot was probed with ITGB1 Polyclonal Antibody (Product # PA5-29606, 1 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 150 kDa band corresponding to ITGB1 was observed across the cell lines tested.



ITGB1 Antibody (PA5-29606)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-431 cells were transfected with ITGB1 siRNA and reduction of signal was observed in Western Blot using ITGB1 Polyclonal Antibody (Product # PA5-29606). {KD}



6 References

Western Blot (2)

Nature communications

SARS-CoV-2 Spike triggers barrier dysfunction and vascular leak via integrins and TGF- signaling.

"PA5-29606 was used in Western Blotting to offer mechanistic insight into SARS-CoV-2-triggered vascular leak, providing a starting point for development of therapies targeting COVID-19."

Authors: Biering SB,Gomes de Sousa FT,Tjang LV,Pahmeier F,Zhu C,Ruan R,Blanc SF,Patel TS,Worthington CM, Glasner DR,Castillo-Rojas B,Servellita V,Lo NTN,Wong MP,Warnes CM,Sandoval DR,Clausen TM,Santos YA,Fox DM, Ortega V,Näär AM,Baric RS,Stanley SA,Aguilar HC,Esko JD,Chiu CY,Pak JE,Beatty PR,Harris E

Year
2022

Species
Human

Journal of extracellular vesicles

Human neural cell type-specific extracellular vesicle proteome defines disease-related molecules associated with activated astrocytes in Alzheimer's disease brain.

"Published figure using ITGB1 polyclonal antibody (Product # PA5-29606) in Western Blot"

Authors: You Y,Muraoka S,Jedrychowski MP,Hu J,McQuade AK,Young-Pearse T,Aslebagh R,Shaffer SA,Gygi SP, Blurton-Jones M,Poon WW,Ikezu T

Year
2022

Immunohistochemistry (1)

PloS one

Tumor bioengineering using a transglutaminase crosslinked hydrogel.

"PA5-29606 was used in immunohistochemistry to develop a 3D culturing system to mimic the tumor microenvironment using transglutaminase-cross-linked gelatin gel (Col-Tgel)"

Authors: Fang JY,Tan SJ,Yang Z,Tayag C,Han B

Year
2015

Species
Human

Dilution
1:400

Immunocytochemistry (3)

Reproduction in domestic animals = Zuchthygiene

Propagation of porcine spermatogonial stem cells in serum-free culture conditions using knockout serum replacement.

"PA5-29606 was used in Immunocytochemistry-immunofluorescence to reveal that SSCs from porcine species could be maintained in vitro for up to 30 days in serum-free culture using 5% KSR, which is believed to be a promising protein source for improving livestock production, and health care along with their conservation."

Authors: Das A,Bhuyan D,Lalmalsawma T,Das PP,Koushik S,Chauhan MS,Bhuyan M

Year
2023

Species
Pig

View more ICC/IF references on thermofisher.com

More applications with references on thermofisher.com

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