

SSTR4 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Human
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues C(366) Q Q E A L Q P E P G R K R I P L T R T T T F(388) of human SSTR4.
Form	Liquid
Storage buffer	whole serum
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2196370

Applications	Tested	Dilution	Published
Western Blot (WB)	✓	1:100-1:5000	1 Publication
Immunohistochemistry (IHC)	-	1 ug/ml	1 Publication
Immunocytochemistry (ICC)	✓	1:250	
Immunofluorescence (IF)	✓	1:250	
Immunohistochemistry (Paraffin) (IHC (P))	✓	1:2500	

Product Specific Information

PA3-111 detects the Somatostatin Receptor 4 in human and mouse samples.

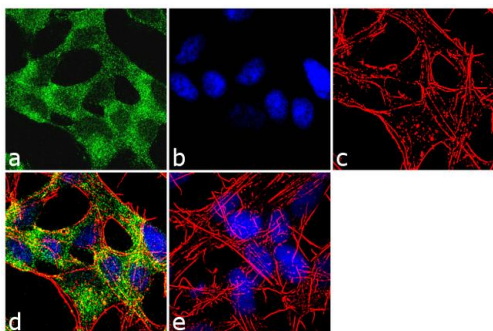
PA3-111 has been used successfully in Western blot, immunocytochemistry, and immunohistochemistry procedures. In Western blot analysis of SSTR4 transfected HEK-293 cells this antibody detects a ~40-50 kDa protein representing SSTR4.

The PA3-111 immunogen is a synthetic peptide corresponding to residues C(366) Q Q E A L Q P E P G R K R I P L T R T T T F (388) of human SSTR4.

Product Images For SSTR4 Polyclonal Antibody

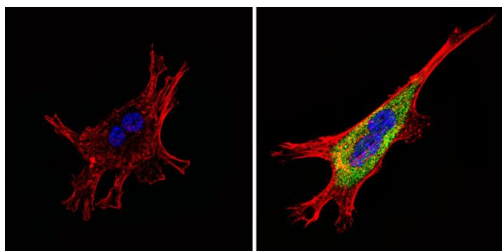
SSTR4 Antibody (PA3-111) in IF

Immunofluorescence analysis of SSTR4 was performed using 70% confluent log phase SH-SY5Y cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with SSTR4 Rabbit Polyclonal Antibody (Product # PA3-111) at 1:250 dilution in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.



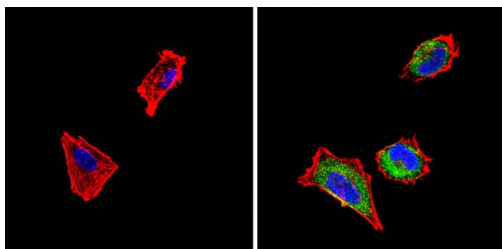
SSTR4 Antibody (PA3-111) in IF

Immunofluorescent analysis of Somatostatin Receptor 4 (green) showing staining in the cytoplasm of NIH-3T3 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Somatostatin Receptor 4 polyclonal antibody (Product # PA3-111) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



SSTR4 Antibody (PA3-111) in IF

Immunofluorescent analysis of Somatostatin Receptor 4 (green) showing staining in the cytoplasm of SH-SY5Y cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a Somatostatin Receptor 4 polyclonal antibody (Product # PA3-111) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



[View more figures on thermofisher.com](http://thermofisher.com)

2 References

Western Blot (1)

Oncology letters

Combined effects of octreotide and cisplatin on the proliferation of side population cells from anaplastic thyroid cancer cell lines.

Authors: Li Z, Jiang X, Chen P, Wu X, Duan A, Qin Y

Species
Human

Dilution
Not Cited

Year
2018

Immunohistochemistry (1)

The Journal of clinical endocrinology and metabolism

Somatostatin receptor subtypes in human pheochromocytoma: subcellular expression pattern and functional relevance for octreotide scintigraphy.

"PA3-111 was used in immunohistochemistry to investigate the cellular distribution of five somatostatin receptor subtypes in human pheochromocytoma"

Authors: Mundschenk J, Unger N, Schulz S, Höllt V, Schulz S, Steinke R, Lehnert H

Species
Human

Dilution
1 ug/ml

Year
2003

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