



ST2 Polyclonal Antibody

Product Details	
Size	100 μg
Species Reactivity	Human, Mouse
Published Species	Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Туре	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to 16 amino acids at the amino-terminus of mouse ST2
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C
RRID	AB_11156630

Applications	Tested Dilution	Publications
Western Blot (WB)	1 μg/mL	1 Publication
Immunohistochemistry (IHC)	5 μg/mL	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Flow Cytometry (Flow)	-	1 Publication

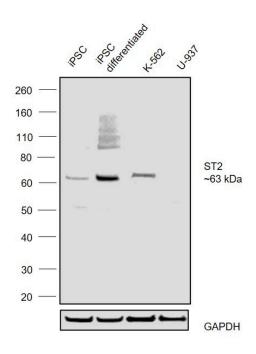
Product Specific Information

The immunogenic sequence is common to all three known ST2 isoforms.

A suggested positive control is 293 cell lysate.

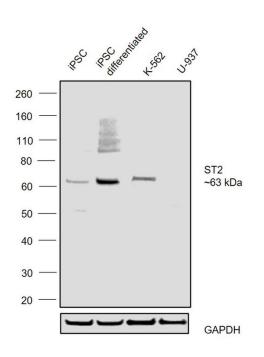
PA5-20077 can be used with blocking peptide PEP-0195.

Product Images For ST2 Polyclonal Antibody



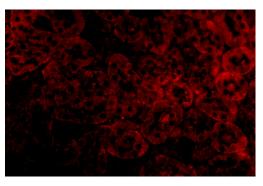
ST2 Antibody (PA5-20077)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Relative expression of Interleukin-1 receptor-like 1 was observed as increased expression in cardiomyocyte differentiated iPSCs and K-562 as compared to in U-937 using Anti-ST2 Polyclonal Antibody (Product # PA5-20077) in Western Blot. {RE}



ST2 Antibody (PA5-20077) in WB

Western blot was performed using Anti-ST2 Polyclonal Antibody (Product # PA5-20077) and a ~63 kDa band corresponding to Interleukin-1 receptor-like 1 was observed across cell lines tested . Membrane enriched extracts (50 µg lysate) of iPSC (Lane 1), iPSC differentiated into cardiomyocytes (Lane 2), K-562 (Lane 3), U-937 (Lane 4) were electrophoresed using NuPAGETM 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) SuperclonalTM Recombinant Secondary Antibody, HRP (Product # A27036,1: 20000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignalTM West Pico PLUS Chemiluminescent Substrate (Product # 34580).Increased expression observed in cardiomyocyte differentiated iPSCs and K-562 as compared to in U-937.



ST2 Antibody (PA5-20077) in ICC/IF

Immunofluorescence of ST2 in Mouse Kidney cells with ST2 Polyclonal Antibody (Product # PA5-20077) at 20 µg/mL.

View more figures on thermofisher.com

□ 8 References

Western Blot (1)

Glia

Spinal IL-33/ST2 signaling mediates chronic itch in mice through the astrocytic JAK2-STAT3 cascade.

"PA5-20077 was used in Western Blotting to reveal that spinal IL-33/ST2 signaling pathway contributes to chronic itch via astrocytic JAK2-STAT3 cascade activation, promoting TNF- release to regulate the GRP/GRPR signaling-related itch response."

Authors: Du L,Hu X,Yang W,Yasheng H,Liu S,Zhang W,Zhou Y,Cui W,Zhu J,Qiao Z,Maoying Q,Chu Y,Zhou H,Wang Y, Mi W

Year 2019

Species Mouse

Dilution 1:1000

Immunohistochemistry (3)

Frontiers in cellular neuroscience

Type 2 Innate Lymphoid Cells Accumulate in the Brain After Hypoxia-Ischemia but Do Not Contribute to the Development of Preterm Brain Injury.

"Published figure using ST2 polyclonal antibody (Product # PA5-20077) in Immunohistochemistry"

Authors: Zelco A,Rocha-Ferreira E,Nazmi A,Ardalan M,Chumak T,Nilsson G,Hagberg H,Mallard C,Wang X

Year 2022

Species Mouse

Dilution 1:250

Glia

Spinal IL-33/ST2 signaling mediates chronic itch in mice through the astrocytic JAK2-STAT3 cascade.

"PA5-20077 was used in Western Blotting to reveal that spinal IL-33/ST2 signaling pathway contributes to chronic itch via astrocytic JAK2-STAT3 cascade activation, promoting TNF- release to regulate the GRP/GRPR signaling-related itch response."

Authors: Du L,Hu X,Yang W,Yasheng H,Liu S,Zhang W,Zhou Y,Cui W,Zhu J,Qiao Z,Maoying Q,Chu Y,Zhou H,Wang Y, Mi W

Year 2019

Species Mouse

Dilution 1:1000

View more IHC references on thermofisher.com

Immunohistochemistry (Paraffin) (2)

Oncotarget

Deletion of IL-33R attenuates VEGF expression and enhances necrosis in mammary carcinoma.

"PA5-20077 was used in immunohistochemistry - paraffin section to study the attenuation of VEGF expression and enhancement of necrosis in mammary carcinoma by deletion of IL-33R"

Authors: Milosavljevic MZ, Jovanovic IP, Pejnovic NN, Mitrovic SL, Arsenijevic NN, Simovic Markovic BJ, Lukic ML

Year 2016

Dilution 1:500

More applications with references on thermofisher.com

IHC (F) (1) Flow (1)

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