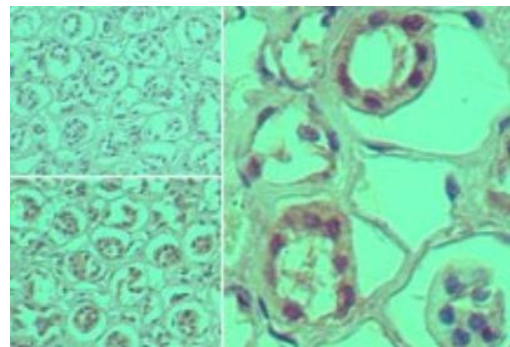


ST2 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A portion of amino acids 25-65 of human ST2 protein
Form	Liquid
Concentration	1.0 mg/mL
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2540840

Applications	Tested Dilution	Publications
Western Blot (WB)	4.0-5 µg/mL	1 Publication
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL	-
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications

Product Images For ST2 Polyclonal Antibody

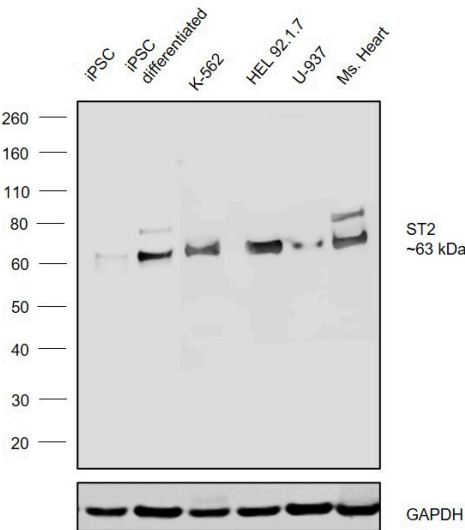


ST2 Antibody (PA5-23316) in IHC (P)

Immunohistochemical analysis of ST2 in formalin-fixed, paraffin-embedded human kidney tissue. Samples were incubated in ST2 polyclonal antibody (Product # PA5-23316) using a dilution of 5 µg/mL. Isotype control (top left) and this antibody (bottom left, right).

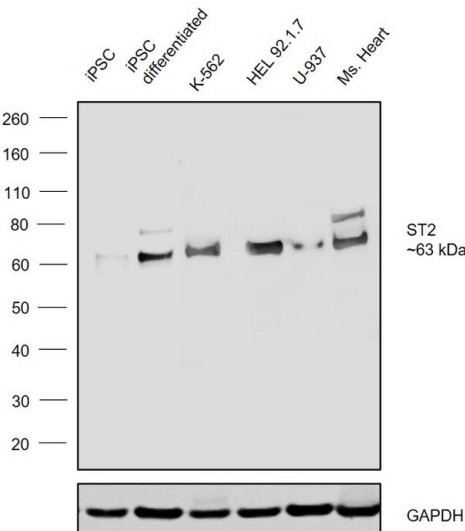
ST2 Antibody (PA5-23316)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines and tissues owing to their inherent genetic constitution. Relative expression of Interleukin-1 receptor-like 1 was observed as Increased expression in differentiated iPSCs and K-562 as compared to in U-937 using Anti-ST2 Polyclonal Antibody (Product # PA5-23316) in Western Blot. {RE}



ST2 Antibody (PA5-23316) in WB

Western blot was performed using Anti-ST2 Polyclonal Antibody (Product # PA5-23316) and a ~63 kDa band corresponding to Interleukin-1 receptor-like 1 was observed across cell lines and tissues tested . Membrane enriched extracts (50 µg lysate) of iPSC (Lane 1), iPSC differentiated into cardiomyocytes (Lane 2), K-562 (Lane 3), HEL 92.1.7 (Lane 4), U-937 (Lane 5), Mouse Heart (Lane 6) were electrophoresed using NuPAGE™ 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 (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036,1:20000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580).Relative expression observed in K562 as highest expressing model versus in U-937 as a low expressing model.



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Western Blot (1)

<p>Science advances</p> <p>Identification of TNFR2 and IL-33 as therapeutic targets in localized fibrosis.</p> <p>"Published figure using ST2 polyclonal antibody (Product # PA5-23316) in Western Blot"</p> <p>Authors: Izadi D,Layton TB,Williams L,McCann F,Cabrita M,Espirito Santo AI,Xie W,Fritzsche M,Colin-York H,Feldmann M,Midwood KS,Nanchahal J</p>	<p>Year 2019</p>
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Immunohistochemistry (2)

<p>Cell reports</p> <p>Hyperactivity of Innate Immunity Triggers Pain via TLR2-IL-33-Mediated Neuroimmune Crosstalk.</p> <p>"PA5-23316 was used in Immunohistochemistry-immunofluorescence to report that hyperactivity of innate immunity primes and initiates pain states via the TLR2-interleukin-33 (IL-33) axis."</p> <p>Authors: Huang J,Gandini MA,Chen L,M'Dahoma S,Stemkowski PL,Chung H,Muruve DA,Zamponi GW</p>	<p>Year 2020</p> <p>Species Mouse</p> <p>Dilution 1:200</p>
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<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p>IL-33/ST2 signaling excites sensory neurons and mediates itch response in a mouse model of poison ivy contact allergy.</p> <p>"Published figure using ST2 polyclonal antibody (Product # PA5-23316) in Immunofluorescence"</p> <p>Authors: Liu B,Tai Y,Achanta S,Kaelberer MM,Caceres AI,Shao X,Fang J,Jordt SE</p>	<p>Year 2016</p>
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Immunohistochemistry (Frozen) (2)

<p>The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society</p> <p>Dynamic Expression of Interleukin-33 and ST2 in the Mouse Reproductive Tract Is Influenced by Superovulation.</p> <p>"PA5-23316 was used in Immunohistochemistry (Frozen) to identify IL-33-expressing oocytes surrounded by ST2-expressing granulosa cells at all stages of follicular development, in addition to IL-33+ and ST2+ non-endothelial cells in the ovarian stroma and theca layer in ovaries from adult mice."</p> <p>Authors: Begum S,Perlman BE,Valero-Pacheco N,O'Besso V,Wu T,Morelli SS,Beaulieu AM,Douglas NC</p>	<p>Year 2020</p> <p>Species Mouse</p> <p>Dilution 1:200</p>
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