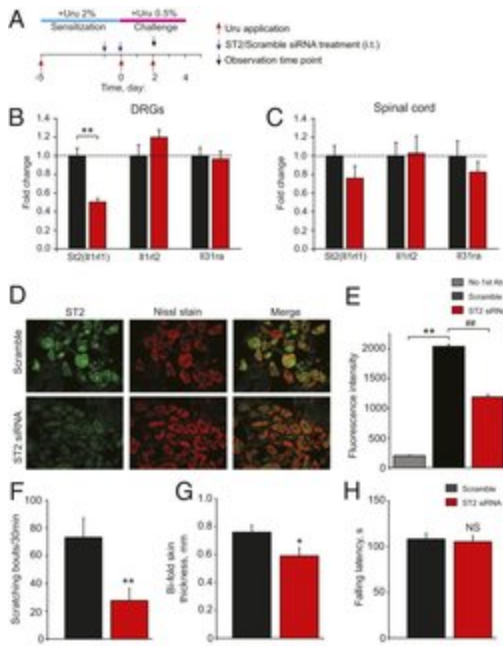


ST2 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Non-human primate, Rat
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide (36 CPRQGKPSYTVDWYYSQT 53) of ST2/IL1RL1 protein.
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2540840

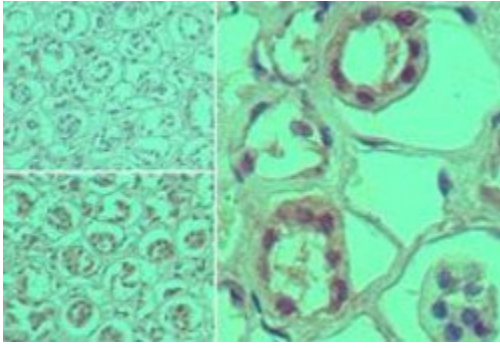
Applications	Tested Dilution	Publications
Western Blot (WB)	4.0-5 µg/mL	1 Publication
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL	-
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications



ST2 Antibody (PA5-23316)

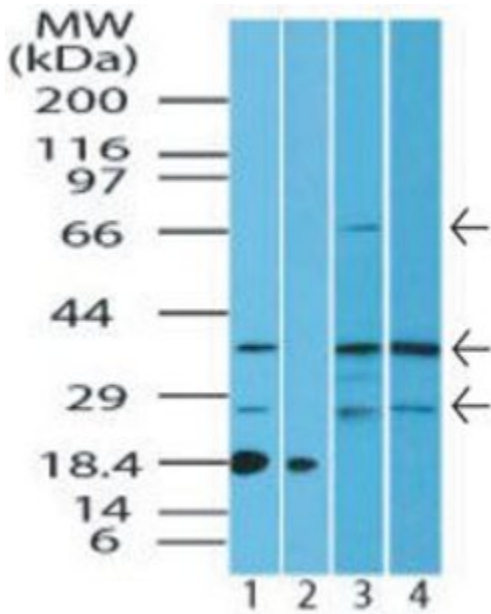
Effects of DRG-specific knockdown of ST2 on the itch response of urushiol-induced ACD mice. (A) Protocol for i.t. delivery of ST2 siRNA or scrambled control siRNA to mice. (B and C) qPCR analysis of transcript levels of St2 (Il1rl1), Il1rl2, and Il31ra in DRGs (B) or spinal cords (C) of ST2 siRNA or scrambled siRNA treatment groups. (D) Immunostaining of DRG sections showing analyzing expression of ST2 protein of ST2 siRNA- or scrambled siRNA-treated group. (Magnification: 60.) (E) Summary of ST2 staining fluorescence intensities of neurons from ST2 siRNA or scrambled siRNA-treated mice. A total of 100-120 neurons pooled from five mice from each group were compared. (F) Analysis of scratching behavior of urushiol-induced ACD mice after i.t. injection of ST2 siRNA. (G) Bifold skin thickness of urushiol-induced ACD mice treated with ST2 siRNA or scrambled siRNA. (H) Comparison of motor coordination activity of siRNA-treated mice tested with rotarod. n = 6 or 7 mice per group. *P < 0.05; **P < 0.01; ###P < 0.01. NS, no significance. Student's t test or one-way ANOVA followed by Tukey post hoc test was used for statistical analysis. Knockdown validation info.

Product Images For ST2 Polyclonal Antibody



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

Immunohistochemical analysis of ST2/IL1RL1 in formalin-fixed, paraffin-embedded human kidney tissue using an isotype control (top left) and a ST2/IL1RL1 polyclonal antibody (Product # PA5-23316) (bottom left, right) at 5 µg/mL.



ST2 Antibody (PA5-23316) in WB

Western blot analysis of ST2 protein in human kidney lysate in the 1) absence and 2) presence of immunizing peptide, 3) mouse kidney and 4) rat kidney lysate using a ST2/IL1RL1 polyclonal antibody (Product # PA5-23316) at 4.0 µg/mL. Goat anti-rabbit Ig HRP secondary antibody.

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

Western Blot (1)

Science advances

Identification of TNFR2 and IL-33 as therapeutic targets in localized fibrosis.

"Published figure using ST2 polyclonal antibody (Product # PA5-23316) in Western Blot"

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

Species
Not Applicable

Dilution
Not Cited

Year
2019

Immunohistochemistry (2)

Cell reports

Hyperactivity of Innate Immunity Triggers Pain via TLR2-IL-33-Mediated Neuroimmune Crosstalk.

"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."

Authors: Huang J,Gandini MA,Chen L,M'Dahoma S,Stemkowski PL,Chung H,Muruve DA,Zamponi GW

Species
Mouse

Dilution
1:200

Year
2020

Proceedings of the National Academy of Sciences of the United States of America

IL-33/ST2 signaling excites sensory neurons and mediates itch response in a mouse model of poison ivy contact allergy.

"Published figure using ST2 polyclonal antibody (Product # PA5-23316) in Immunofluorescence"

Authors: Liu B,Tai Y,Achanta S,Kaelberer MM,Caceres AI,Shao X,Fang J,Jordt SE

Species
Not Applicable

Dilution
Not Cited

Year
2016

Immunohistochemistry (Frozen) (2)

The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society

Dynamic Expression of Interleukin-33 and ST2 in the Mouse Reproductive Tract Is Influenced by Superovulation.

"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."

Authors: Begum S,Perlman BE,Valero-Pacheco N,O'Besso V,Wu T,Morelli SS,Beaulieu AM,Douglas NC

Species
Mouse

Dilution
1:200

Year
2020

More applications with references on thermofisher.com

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