Datasheet for ABIN680243
anti-IL1RL1 antibody (AA 11-110)

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Overview

Quantity:	100 μL
Target:	IL1RL1
Binding Specificity:	AA 11-110
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL1RL1 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Interleukin 1 receptor like 1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	IL1RL1
Alternative Name:	St2 (IL1RL1 Products)
Background:	Synonyms: T1, ST2, DER4, ST2L, ST2V, FIT-1, IL33R, Interleukin-1 receptor-like 1, Protein ST2,

Target Details

IL1RL1

Background: Receptor for interleukin-33 (IL-33), its stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6, followed by phosphorylation of MAPK3/ERK1 and/or MAPK1/ERK2, MAPK14, and MAPK8. Possibly involved in helper T-cell function.

Gene ID:	9173
UniProt:	Q01638

Application Details

Application Notes:	FCM 1:20-100
Restrictions:	For Research Use only

Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

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Product cited in:	Yang, Lin, Wu, Huang, Jung, Ma, Wang Hsu, Jow: "Membrane translocation of IL-33 receptor in ventilator induced lung injury." in: **PLoS ONE**, Vol. 10, Issue 3, pp. e0121391, (2015) (PubMed).
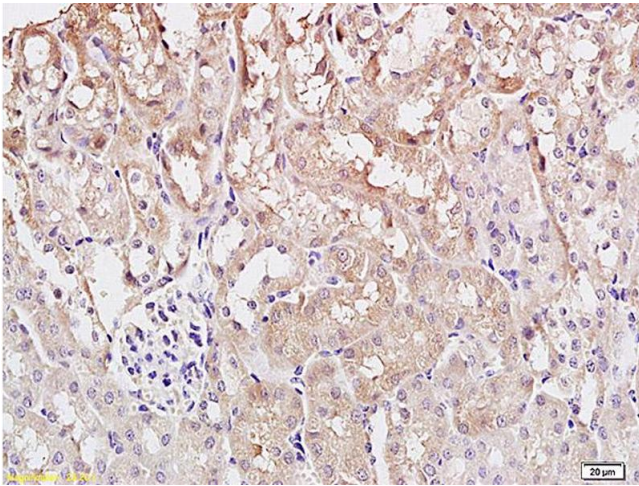
Images

Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat kidney tissue labeled with Anti ST2 Polyclonal Antibody, Unconjugated (ABIN680243) at 1:200 followed by conjugation to the secondary antibody and DAB staining
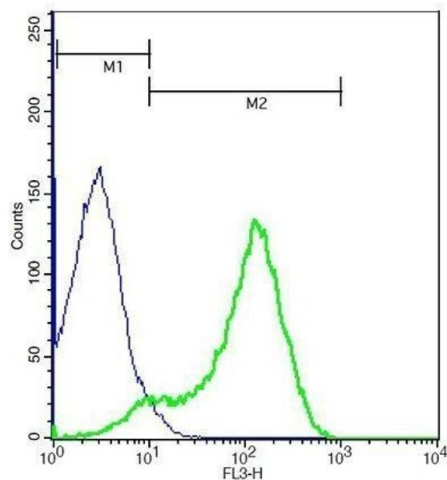
Flow Cytometry

Image 2. Mouse splenocytes probed with Rabbit Anti-ST2 Polyclonal Antibody, PE-Cy5.5 .
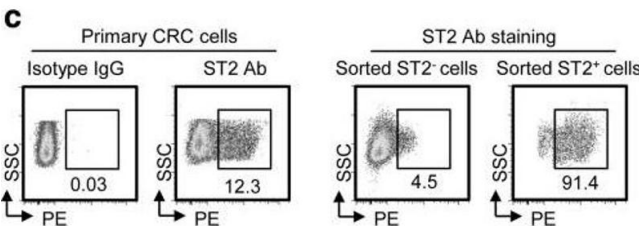
Flow Cytometry

Image 3. IL-33/ST2 upregulates COX2 expression through NF-κB signaling. a,b The COX2 mRNA (a) and protein (b) expression in primary CRC cells or HT29 cells responding to the incubation with rhIL33 (100 ng/mL) or/ and ST2 antibody (2 µg/mL) for 24 h. Each experiment was performed three times. Data expressed as mean±SEM. ** P < 0.01. c ST2 expression distribution in primary CRC cells, sorted ST2-negative and sorted ST2-positive primary CRC cells. The proportion of ST2 positive subset is shown. d Relative COX2 mRNA levels in ST2-negative or ST2-positive primary CRC cells responding to IL-33 (100 ng/mL) incubation for 24 h in 24-well plates (1x105 cells per well). Three parallel wells were set for each treatment. Data expressed as mean±SEM. ** P < 0.01. e The correlation

Images

between COX2 and ST2 transcripts in 394 CRC samples recorded in TCGA database. These two sets of data both have a normal distribution. Pearson r=0.356, P<0.01. f COX2 mRNA levels in primary CRC cells, HT29 cells and MC38 responding to the incubation with IL-33 (100 ng/mL) or/ and BAY11-7082 (10 μM). Three parallel wells were set for each treatment. Each experiment was performed three times. Data expressed as mean±SEM. * P < 0.05. ** P < 0.01. g COX2 protein levels in primary CRC cells, HT29 cells and MC38 responding to the incubation with IL-33 (100 ng/mL) or/ and BAY11-7082 (10 μM). Each experiment was performed three times. h The knocking-down efficiency of NF-κB P65 in HT29 cells. The P65 mRNA (left panel) and protein (right panel) were both detected. Data expressed as mean±SEM. ** P < 0.01. i COX2 mRNA (left panel) and protein (right panel) levels responding to IL-33 incubation (100 ng/mL) for 24 h in HT29 cells transfected with short hairpin RNA expressing plasmid against NF-κB P65 (shP65) or nonsense RNA expressing plasmid (shNC). Each experiment was performed three times. Data expressed as mean±SEM. ** P < 0.01 - figure provided by CiteAb. Source: PMID30119635