

# ST2 Polyclonal Antibody

Catalog # AP74175

## Product Information

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<b>Application</b>	WB, IHC-P, IF, ICC, E
<b>Primary Accession</b>	<a href="#">Q01638</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	63358

## Additional Information

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<b>Gene ID</b>	9173
<b>Other Names</b>	Interleukin-1 receptor-like 1 (Protein ST2)
<b>Dilution</b>	WB~~1:1000 IHC-P~~IHC-p 1:50-200, ELISA 1:10000-20000 IF~~1:50~200 ICC~~N/A E~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	IL1RL1
<b>Synonyms</b>	DER4, ST2, T1
<b>Function</b>	Receptor for interleukin-33 (IL-33) which plays crucial roles in innate and adaptive immunity, contributing to tissue homeostasis and responses to environmental stresses together with coreceptor IL1RAP (PubMed: <a href="#">35238669</a> ). 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 (Probable) (PubMed: <a href="#">16286016</a> ). Upon tissue injury, induces UCP2- dependent mitochondrial rewiring that attenuates the generation of reactive oxygen species and preserves the integrity of Krebs cycle required for persistent production of itaconate and subsequent GATA3- dependent differentiation of inflammation-resolving alternatively activated macrophages (By similarity).
<b>Cellular Location</b>	[Isoform C]: Cell membrane. Cell membrane; Single-pass type I membrane protein
<b>Tissue Location</b>	Highly expressed in kidney, lung, placenta, stomach, skeletal muscle, colon

and small intestine. Isoform A is prevalently expressed in the lung, testis, placenta, stomach and colon Isoform B is more abundant in the brain, kidney and the liver. Isoform C is not detected in brain, heart, liver, kidney and skeletal muscle Expressed on T-cells in fibrotic liver; at protein level. Overexpressed in fibrotic and cirrhotic liver.

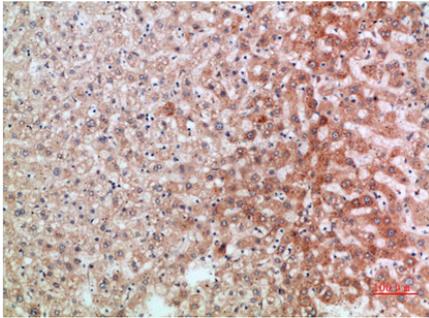
## Background

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Receptor for interleukin-33 (IL-33); signaling requires association of the coreceptor IL1RAP. 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.

## Images

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Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:200

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.