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ST2 Polyclonal Antibody
Catalog # AP74175

Specification

ST2 Polyclonal Antibody - Product Information

Application	**IHC-P**
Primary Accession	Q01638
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**

ST2 Polyclonal Antibody - Additional Information

Gene ID 9173

Other Names
Interleukin-1 receptor-like 1 (Protein ST2)

Dilution
IHC-P~~N/A

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

ST2 Polyclonal Antibody - Protein Information

Name IL1RL1

Synonyms DER4, ST2, T1

Function
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:35238669). 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:16286016). 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).

Cellular Location
[Isoform C]: Cell membrane. Cell membrane; Single-pass type I membrane protein

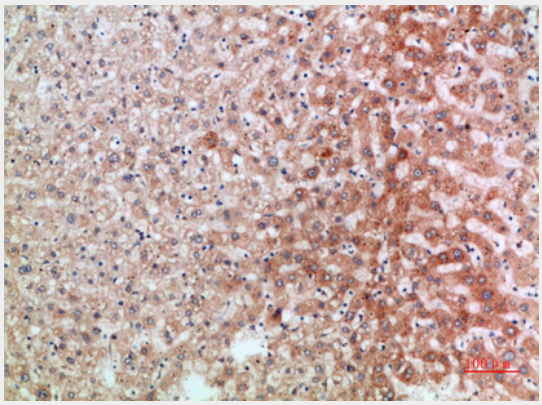
Tissue Location
Highly expressed in kidney, lung, placenta, stomach, skeletal muscle, colon and small intestine. Isoform A is prevalently expressed in the lung, testis, placenta, stomach and colon Isoform B is more abundant in the brain, kidney and the liver. Isoform C is not detected in brain, heart,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

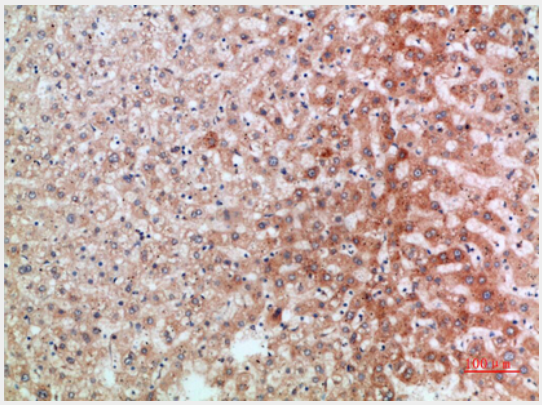
ST2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ST2 Polyclonal Antibody - Images





ST2 Polyclonal Antibody - Background

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.