

For Research Use Only

ST2 Monoclonal antibody

Catalog Number: 60112-1-Ig 12 Publications



Basic Information

Catalog Number:

60112-1-Ig

Size:

1500 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG2555

GenBank Accession Number:

BC030975

GeneID (NCBI):

9173

UNIPROT ID:

Q01638

Full Name:

interleukin 1 receptor-like 1

Calculated MW:

63 kDa, 37 kDa, 30 kDa

Observed MW:

63 kDa

Purification Method:

Caprylic acid/ammonium sulfate precipitation

CloneNo.:

7A2A7

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:100-1:400

Applications

Tested Applications:

FC, IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat, pig

Cited Species:

human, mouse, pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, fetal human brain tissue, SGC-7901 cells, pig brain tissue, mouse brain tissue, HSC-T6 cells, ROS1728 cells, PC-12 cells, rat brain tissue, rat cerebellum tissue

IHC : human heart tissue,

Background Information

ST2, also known as IL1RL1, is a member of the IL-1 superfamily and serves as the receptor for IL-33. It plays a major role in immune and inflammatory responses. ST2 is expressed by various types of immune cells including Th2 cells, mast cells, type 2 innate lymphoid cells, eosinophils, basophils, NK cells, and non-immune cells, including cardiomyocytes. Two forms of ST2 exist: a membrane-bound form and a soluble form (sST2). The membrane-bound form activates the MyD88/NF-κB signaling pathway to enhance mast cell, Th2, regulatory T cell (Treg), and innate lymphoid cell type 2 functions. sST2 acts as a decoy receptor. (PMID: 27055914; 23999434; 28484466)

Notable Publications

Author	Pubmed ID	Journal	Application
Shuhei Kobayashi	33024217	Sci Rep	IF
Zuojia Chen	33220232	Immunity	IF
Elena Vianello	31316160	Sci Rep	WB,IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

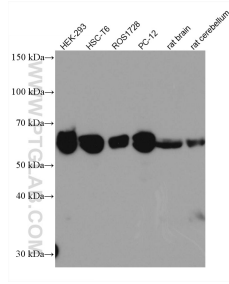
T: 4006900926

E: Proteintech-CN@ptglab.com

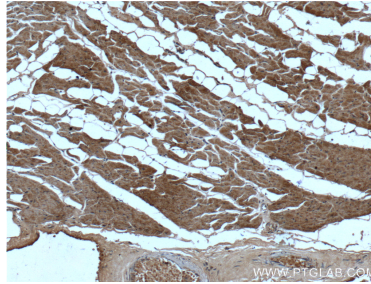
W: ptgcn.com

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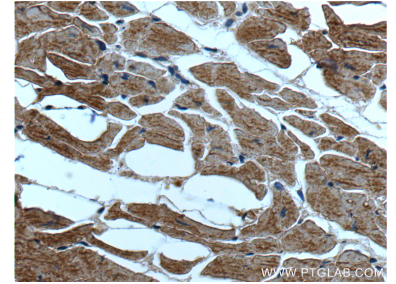
Selected Validation Data



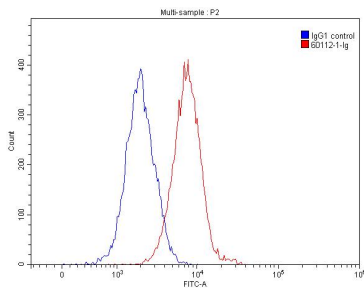
Various lysates were subjected to SDS PAGE followed by western blot with 60112-1-Ig (ST2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 60112-1-Ig (ST2 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 60112-1-Ig (ST2 antibody) at dilution of 1:200 (under 40x lens).



1×10^6 HEK-293 cells were stained with 0.20ug ST2 antibody (60112-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.