

ST2 Polyclonal Antibody

Catalog No :	YT5992
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	ST2
Fields :	>>Cytokine-cytokine receptor interaction
Gene Name :	IL1RL1 DER4 ST2 T1
Protein Name :	Interleukin-1 receptor-like 1 (Protein ST2)
Human Gene Id :	9173
Human Swiss Prot No :	Q01638
Mouse Gene Id :	17082
Mouse Swiss Prot No :	P14719
Immunogen :	Synthetic peptide from human protein at AA range: 251-300
Specificity :	The antibody detects endogenous ST2
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 63kD

Background : The protein encoded by this gene is a member of the interleukin 1 receptor family. Studies of the similar gene in mouse suggested that this receptor can be induced by proinflammatory stimuli, and may be involved in the function of helper T cells. This gene, interleukin 1 receptor, type I (IL1R1), interleukin 1 receptor, type II (IL1R2) and interleukin 1 receptor-like 2 (IL1RL2) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008],

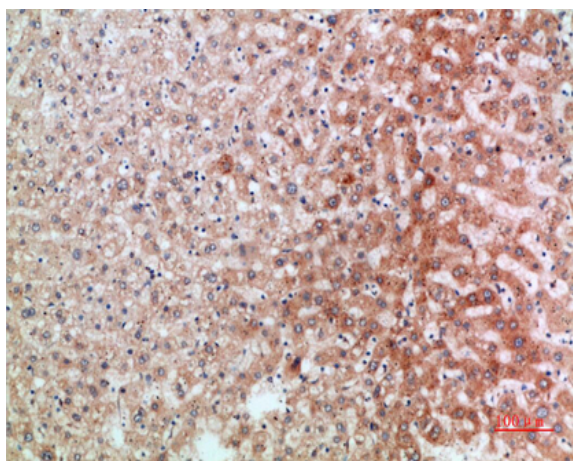
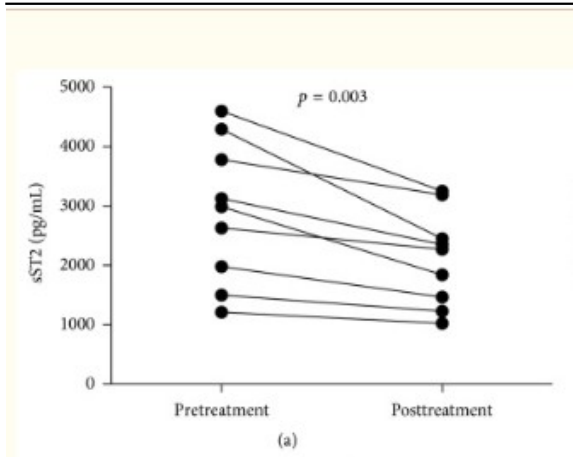
Function : function:Receptor for interleukin-33 (IL-33), its stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6, followed by phosphorylation of MAPK3/ERK1 and/or MAPK1/ERK2, MAPK14, and MAPK8. Possibly involved in helper T-cell function.,similarity:Belongs to the interleukin-1 receptor family.,similarity:Contains 1 TIR domain.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Interacts with MYD88, IRAK1, IRAK4, and TRAF6.,tissue specificity:Highly expressed in kidney, lung, placenta, stomach, skeletal muscle, colon and small intestine. Expression of isoform A is prevalent in the lung, testis, placenta, stomach and colon. However, 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.,

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

Expression : 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.

Products Images

Zhang, Zihui, et al. "Serum levels of soluble ST2 and IL-10 are associated with disease severity in patients with IgA nephropathy." *Journal of immunology research* 2016 (2016).



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