ST2 Monoclonal Antibody

Catalog No	YP-mAb-10716
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	IL1RL1 DER4 ST2 T1
Protein Name	Interleukin-1 receptor-like 1 (Protein ST2)
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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Interleukin-1 receptor-like 1 (Protein ST2)
Observed Band	63kD
Cell Pathway	[Isoform C]: Cell membrane.; [Isoform B]: Secreted.; Cell membrane ; Single-pass type I membrane protein .
Tissue Specificity	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.
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.,

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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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