

bs-23758R**[Primary Antibody]****ST2 Rabbit pAb****Bioss**
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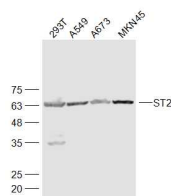
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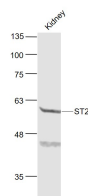
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 9173**SWISS:** Q01638**Target:** ST2**Immunogen:** KLH conjugated synthetic peptide derived from human ST2 (isoform A,B,C): 1-100/556.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

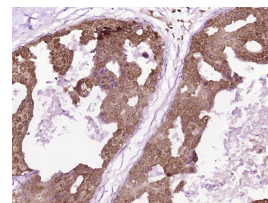
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: ST2 is a member of a superfamily containing the Interleukin 1 (IL1) receptor and the Toll-like receptors (TLRs). The TLRs are signaling molecules that recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. ST2 was originally identified as a protein whose production was stimulated by various proliferation-inducing agents such as PDGF and FGF. More recently, it has been shown to negatively regulate IL1 receptor and Toll-like receptor 4 (TLR4) signaling and to maintain endotoxin tolerance. It has been suggested that the inhibition of TLR4 signaling occurs through the association and sequestering of TLR adaptor molecules such as MyD88 and TIRAP.**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse**Predicted MW.:** 61 kDa**Subcellular Location:** Secreted ,Cell membrane**— VALIDATION IMAGES —**

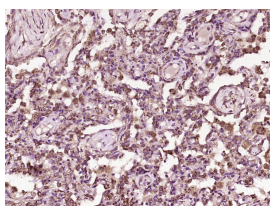
Sample: 293T(Human) Cell Lysate at 30 ug
 A549(Human) Cell Lysate at 30 ug
 A673(Human) Cell Lysate at 30 ug
 MKN45(Human) Cell Lysate at 30 ug
 Primary: Anti-ST2 (bs-23758R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 61 kD
 Observed band size: 61 kD



Sample: Kidney (Mouse) Lysate at 40 ug
 Primary: Anti-ST2 (bs-23758R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 61 kD
 Observed band size: 61 kD



Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ST2) Polyclonal Antibody, Unconjugated (bs-23758R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human lung carcinoma); Antigen retrieval by

boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ST2) Polyclonal Antibody, Unconjugated (bs-23758R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=3.7]** Yuqi Liu. et al. Prognostic value and clinical significance of IL-33 expression in patients with uterine corpus endometrial carcinoma. CYTOKINE. 2025 Jan;185:156828 IHC ;Human. 39657332
- **[IF=4]** Shiyong Huang. et al. Polysaccharide from Ziziphus jujuba fruit protects ulcerative colitis mice via IL-33/ST2 signal Axis. J FUNCT FOODS. 2025 Jun;129:106839 WB ;Mouse. 10.1016/j.jff.2025.106839
- **[IF=3.263]** Li L et al. Sacubitril/valsartan attenuates atrial electrical and structural remodelling in a rabbit model of atrial fibrillation. Eur J Pharmacol . 2020 Aug 15;881:173120. IHC,WB ;rabbit. 32325147
- **[IF=2.5]** Hua-qi Hu. et al. Yinqiao antipruritic formula attenuates atopic dermatitis-like skin lesions through modulating the cytokine-cytokine receptor interaction pathway. FITOTERAPIA. 2025 Apr;:106529 IHC ;Mouse. 40204047