

Anti-ST2/IL-1 RL1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse
Molecular Weight:	Theoretical: 61 kDa. Actual: 61 kDa.
Purification:	Protein A purified

Applications

1. Paraformaldehyde-fixed, paraffin embedded (Human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (ST2) Polyclonal Antibody, Unconjugated (TMAB-01776) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (ST2) Polyclonal Antibody, Unconjugated (TMAB-01776) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

Verified Activity:

3. Sample: Kidney (Mouse) Lysate at 40 µg

Primary: Anti-ST2 (TMAB-01776) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 61 kDa

Observed band size: 61 kDa

4. Sample:

293t (Human) Cell Lysate at 30 µg

A549 (Human) Cell Lysate at 30 µg

A673 (Human) Cell Lysate at 30 µg

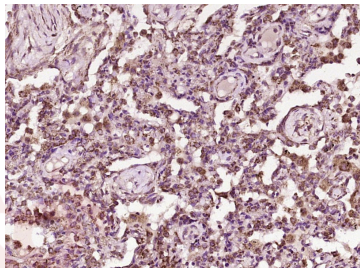
MKN45 (Human) Cell Lysate at 30 µg

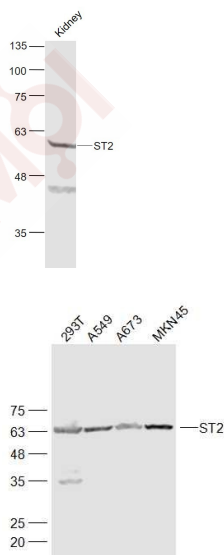
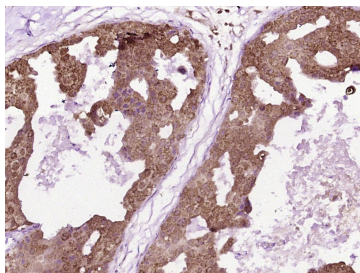
Primary: Anti-ST2 (TMAB-01776) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 61 kDa

Observed band size: 61 kDa





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human ST2 (isoform A,B,C)

Antigen Species: Human

Gene ID: 9173

Uniprot ID: Q01638

Synonyms: T1;DER4;interleukin 1 receptor-like 1;IL1RL1;IL-1 R4;ST2L;ST2;IL33R;FIT-1;ST2V

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481