ST2 Antibody

Catalog No: #24255

Orders: order@signalwayantibody.com
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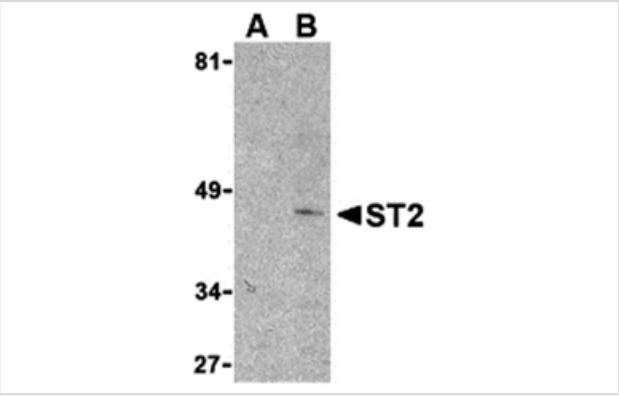
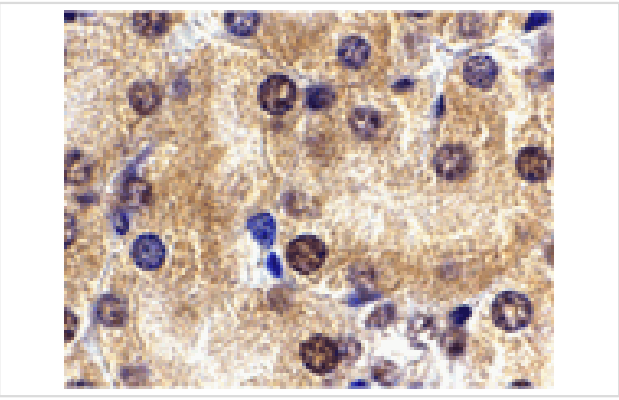
Description

Product Name	ST2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to 16 amino acids at the amino-terminus of mouse ST2. This peptide is common to all three known ST2 isoforms.
Target Name	ST2
Accession No.	Swiss-Prot:P14719Gene ID:17082
Uniprot	P14719
GeneID	17082;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

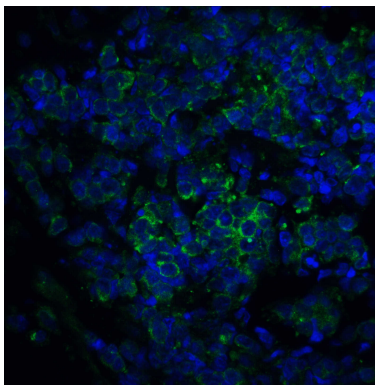
Images



Western blot analysis of ST2 in mouse kidney lysate with ST2 antibody at 1 ug/mL in the presence (lane A) or absence (lane B) of 1 ug blocking peptide.



Immunohistochemistry of ST2 in mouse kidney tissue with ST2 antibody at 2 ug/mL.



Immunofluorescence of ST2 in human lung cancer tissue with ST2 antibody at 5 µg/ml.

Background

ST2 is a member of a superfamily containing the interleukin-1 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 IL-1 receptor and Toll-like receptor (TLR) 4 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.

Note: This product is for in vitro research use only