

For Research Use Only

ST2 Polyclonal antibody

Catalog Number: 30194-1-AP



Basic Information

Catalog Number: 30194-1-AP	GenBank Accession Number: BC030975	Purification Method: Antigen affinity purification
Size: 650 µg/ml	GeneID (NCBI): 9173	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: Q01638	
Isotype: IgG	Full Name: interleukin 1 receptor-like 1	
	Calculated MW: 63 kDa, 37 kDa, 30 kDa	
	Observed MW: 65 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HUVEC cells, human placenta tissue
Species Specificity: Human	

Background Information

ST2, also known as IL1RL1, is a member of the IL-1 superfamily and serves as the receptor for IL-33. It plays a major role in immune and inflammatory responses. ST2 is expressed by various types of immune cells including Th2 cells, mast cells, type 2 innate lymphoid cells, eosinophils, basophils, NK cells, and non-immune cells, including cardiomyocytes. Two forms of ST2 exist: a membrane-bound form and a soluble form (sST2). The membrane-bound form activates the MyD88/NF- κ B signaling pathway to enhance mast cell, Th2, regulatory T cell (Treg), and innate lymphoid cell type 2 functions. sST2 acts as a decoy receptor. (PMID: 27055914; 23999434; 28484466)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

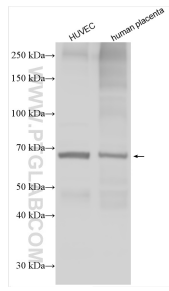
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30194-1-AP (ST2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.