

ARG66935 anti-STAT6 antibody [SQab22264]

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Recombinant Rabbit Monoclonal antibody [SQab22264] recognizes STAT6
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	SQab22264
Isotype	IgG
Target Name	STAT6
Species	Human
Immunogen	A synthetic peptide corresponding to the sequence of human Stat6.
Conjugation	Un-conjugated
Alternate Names	D12S1644; STAT6B; STAT6C; Signal transducer and activator of transcription 6; IL-4-STAT; IL-4 Stat

Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>IHC-P</td><td>1:100 - 1:200</td></tr></tbody></table>	Application	Dilution	IHC-P	1:100 - 1:200
Application	Dilution				
IHC-P	1:100 - 1:200				
Application Note	IHC-P: Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer (pH 9.0). Incubate the samples at RT (18-25°C) for 30 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	Human solitary fibrous tumor (SFT) tissue				

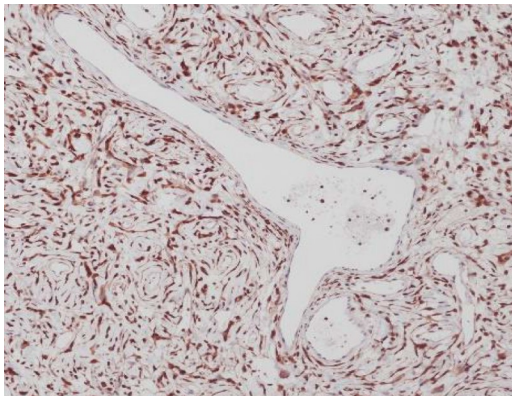
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05%BSA.
Preservative	0.01% Sodium azide
Stabilizer	40% Glycerol and 0.05%BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	STAT6
Gene Full Name	signal transducer and activator of transcription 6, interleukin-4 induced
Background	The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]
Function	Carries out a dual function: signal transduction and activation of transcription. Involved in IL4/interleukin-4- and IL3/interleukin-3-mediated signaling. [UniProt]
Research Area	Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	94 kDa
PTM	Tyrosine phosphorylated following stimulation by IL4/interleukin-4 and IL3/interleukin-3 (By similarity). Dephosphorylation on tyrosine residues by PTPN2 negatively regulates the IL4/interleukin-4 mediated signaling.

Images



ARG66935 anti-STAT6 antibody [SQab22264] IHC-P image

Immunohistochemistry: Formalin/PFA-fixed and paraffin-embedded sections of Human solitary fibrous tumor (SFT) tissue stained with ARG66935 anti-STAT6 antibody [SQab22264]. Antigen Retrieval: Heat tissue section in Tris-EDTA buffer (pH 9.0).