

ARG45484 anti-STIL / SIL antibody

Package: 50 μg Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes STIL / SIL
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Specificity	STIL / SIL
Host	Rabbit
Clonality	Polyclonal
lsotype	lgG
Target Name	STIL / SIL
Species	Human
Immunogen	Recombinant protein containing to human STIL / SIL.
Conjugation	Un-conjugated
Alternate Names	STIL; STIL Centriolar Assembly Protein; MCPH7; SIL; TAL-1-Interrupting Locus Protein; SCL-Interrupting Locus Protein; SCL/TAL1 Interrupting Locus; TAL1 (SCL) Interrupting Locus

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 μg/10^6 cells
	IHC-P	2-5 μg/ml
	WB	0.25-0.5 μg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	170 kDa	

Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
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.

Bioinformation

Gene Symbol	STIL
Gene Full Name	STIL Centriolar Assembly Protein
Background	This gene encodes a cytoplasmic protein implicated in regulation of the mitotic spindle checkpoint, a regulatory pathway that monitors chromosome segregation during cell division to ensure the proper distribution of chromosomes to daughter cells. The protein is phosphorylated in mitosis and in response to activation of the spindle checkpoint, and disappears when cells transition to G1 phase. It interacts with a mitotic regulator, and its expression is required to efficiently activate the spindle checkpoint. It is proposed to regulate Cdc2 kinase activity during spindle checkpoint arrest. Chromosomal deletions that fuse this gene and the adjacent locus commonly occur in T cell leukemias, and are thought to arise through illegitimate V-(D)-J recombination events. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Immediate-early gene. Plays an important role in embryonic development as well as in cellular growth and proliferation; its long-term silencing affects cell survival and cell cycle distribution as well as decreases CDK1 activity correlated with reduced phosphorylation of CDK1. Plays a role as a positive regulator of the sonic hedgehog pathway, acting downstream of PTCH1 [UniProt]
Calculated Mw	143 kDa
PTM	Acetylation; Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Cytoplasm; Cytoskeleton. [UniProt]

Images



ARG45484 anti-STIL / SIL antibody IHC-P image

Immunohistochemistry: Human gallbladder adenocarcinoma stained with ARG45484 anti-STIL / SIL antibody at 2 $\mu g/ml$ dilution.



ARG45484 anti-STIL / SIL antibody WB image

Western blot: Hela stained with ARG45484 anti-STIL / SIL antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



Rat testis

180

- 125 - 95 - 80 - 60 - 50 - 45

- 36

ARG45484 anti-STIL / SIL antibody FACS image

Flow Cytometry: SiHa stained with ARG45484 anti-STIL / SIL antibody at 1 $\mu g/10^{\circ}6$ cells dilution.

ARG45484 anti-STIL / SIL antibody WB image

Western blot: Rat testis stained with ARG45484 anti-STIL / SIL antibody at 0.5 $\mu g/ml$ dilution.



ARG45484 anti-STIL / SIL antibody WB image

Western blot: NIH/3T3 stained with ARG45484 anti-STIL / SIL antibody at 0.5 $\mu g/ml$ dilution.