

ARG45448 anti-SF1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SF1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SF1
Species	Human
Immunogen	Recombinant protein containing to human SF1.
Conjugation	Un-conjugated
Alternate Names	SF1, Splicing Factor 1, ZFM1, Zinc Finger Protein 162, ZCCHC25, ZNF162, Mammalian Branch Point-Binding Protein, Zinc Finger Gene In MEN1 Locus, Transcription Factor ZFM1, MBBP, BBP, D11S636

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	2 µg/ml
	IHC-P	0.5-1 µg/ml
	WB	0.1-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	68 - 80 kDa	

Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
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

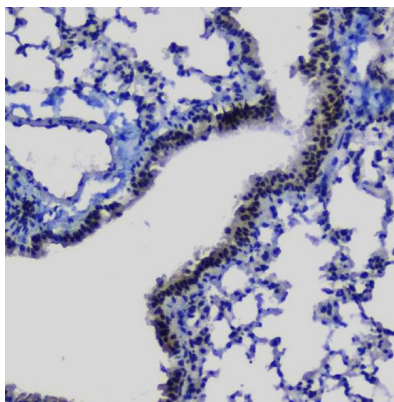
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

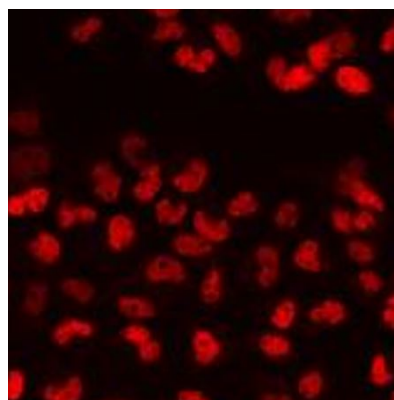
Gene Symbol	SF1
Gene Full Name	Splicing Factor 1
Background	This gene encodes a nuclear pre-mRNA splicing factor. The encoded protein specifically recognizes the intron branch point sequence at the 3' splice site, together with the large subunit of U2 auxiliary factor (U2AF), and is required for the early stages of spliceosome assembly. It also plays a role in nuclear pre-mRNA retention and transcriptional repression. The encoded protein contains an N-terminal U2AF ligand motif, a central hnRNP K homology motif and quaking 2 region which bind a key branch-site adenosine within the branch point sequence, a zinc knuckles domain, and a C-terminal proline-rich domain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2016]
Function	Necessary for the ATP-dependent first step of spliceosome assembly. Binds to the intron branch point sequence (BPS) 5'-UACUAAAC-3' of the pre-mRNA. May act as transcription repressor. [UniProt]
Calculated Mw	68 kDa
PTM	Phosphorylation on Ser-20 interferes with U2AF2 binding and spliceosome assembly. Isoform 6 is phosphorylated on Ser-463. [UniProt]. [UniProt]
Cellular Localization	Nucleus; Spliceosome. [UniProt]

Images



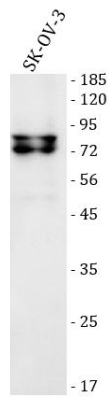
ARG45448 anti-SF1 antibody IHC-P image

Immunohistochemistry: Human placenta stained with ARG45448 anti-SF1 antibody at 1µg/ml dilution.



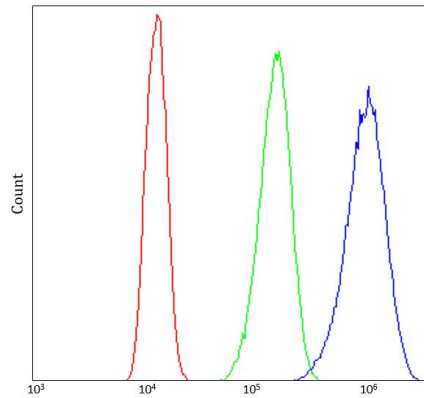
ARG45448 anti-SF1 antibody ICC/IF image

Immunofluorescence: A431 stained with ARG45448 anti-SF1 antibody at 2 µg/ml dilution.



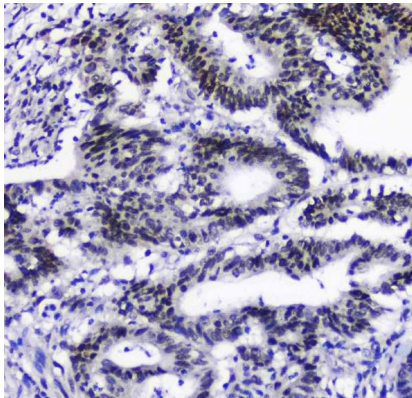
ARG45448 anti-SF1 antibody WB image

Western blot: SK-OV-3 stained with ARG45448 anti-SF1 antibody at 0.5 $\mu\text{g/ml}$ dilution.



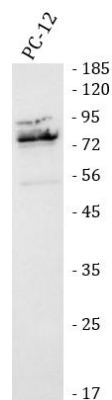
ARG45448 anti-SF1 antibody FACS image

Flow Cytometry: A431 stained with ARG45448 anti-SF1 antibody at 1 $\mu\text{g}/10^6$ cells dilution.



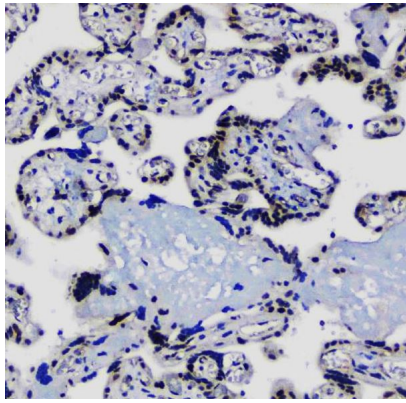
ARG45448 anti-SF1 antibody IHC-P image

Immunohistochemistry: Rat lung stained with ARG45448 anti-SF1 antibody at 1 $\mu\text{g/ml}$ dilution.



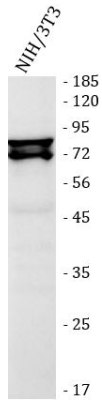
ARG45448 anti-SF1 antibody WB image

Western blot: PC-12 stained with ARG45448 anti-SF1 antibody at 0.5 $\mu\text{g/ml}$ dilution.



ARG45448 anti-SF1 antibody IHC-P image

Immunohistochemistry: Mouse lung stained with ARG45448 anti-SF1 antibody at 1 μ g/ml dilution.



ARG45448 anti-SF1 antibody WB image

Western blot: NIH/3T3 stained with ARG45448 anti-SF1 antibody at 0.5 μ g/ml dilution.