Product Datasheet

SF2 Rabbit mAb

Catalog No: #49851

Package Size: #49851-1 50ul #49851-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

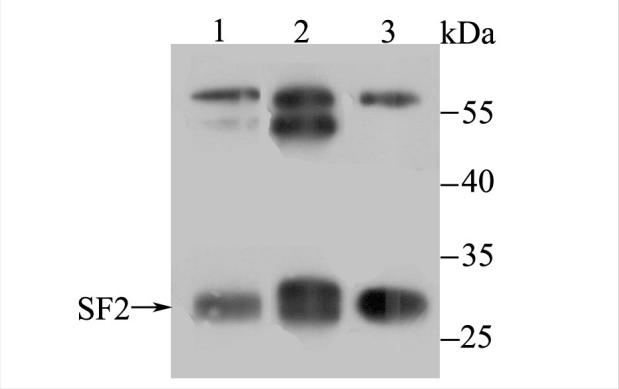
Description

Product Name	SF2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB40-76
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	Alternative splicing factor 1 antibody Alternative-splicing factor 1 antibody arginine/serine-rich 1 antibody ASF 1 antibody ASF antibody ASF-1 antibody ASF1 antibody FLJ53078 antibody MGC5228 antibody P33 subunit antibody Pre mRNA splicing factor SF2 P33 subunit antibody pre-mRNA-splicing factor SF2 antibody Serine/arginine-rich splicing factor 1 antibody SF2 antibody SF2P33 antibody SFRS1 antibody Splicing factor 2 alternate splicing factor antibody Splicing factor 2 antibody Splicing factor antibody Splicing factor arginine/serine rich 1 antibody SR Splicing factor 1 antibody SRp30a antibody srsf1 antibody SRSF1_HUMAN antibody
Accession No.	Swiss-Prot#:Q07955
Uniprot	Q07955
GeneID	6426;
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

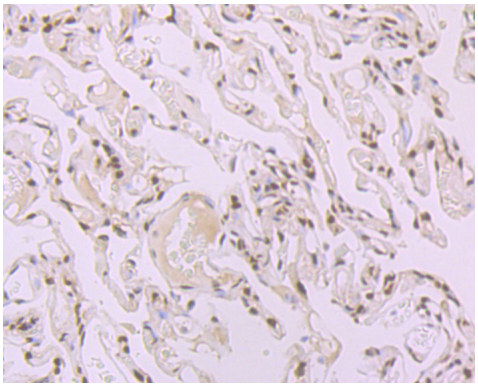
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:50FC: 1:50-1:100

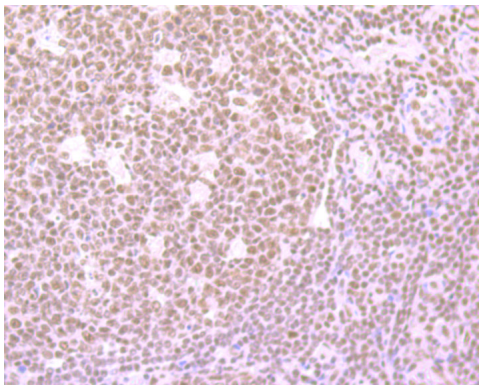
Images



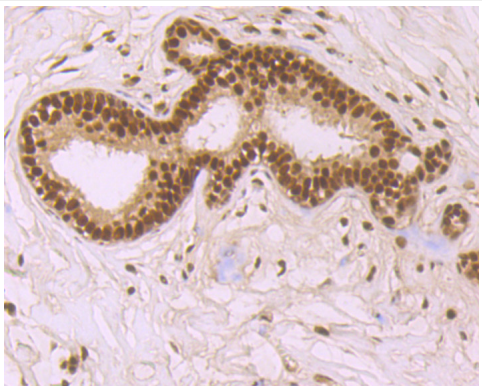
Western blot analysis of SF2 on different lysates using anti-SF2 antibody at 1/500 dilution. Positive control: Lane 1: Mouse heart Lane 2: Mouse liver Lane 3: K562



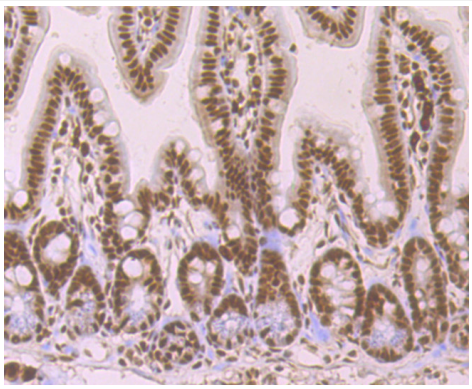
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-SF2 antibody. Counter stained with hematoxylin.



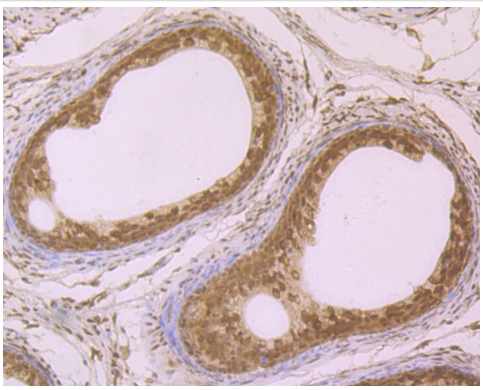
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-SF2 antibody. Counter stained with hematoxylin.



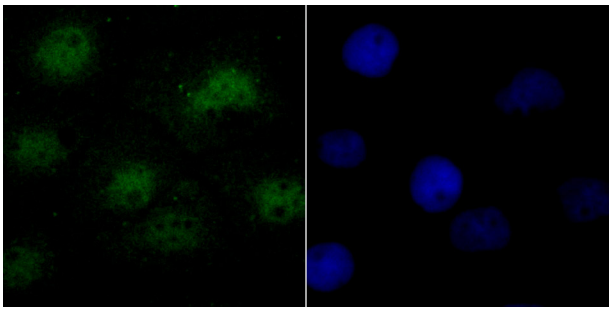
Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-SF2 antibody. Counter stained with hematoxylin.



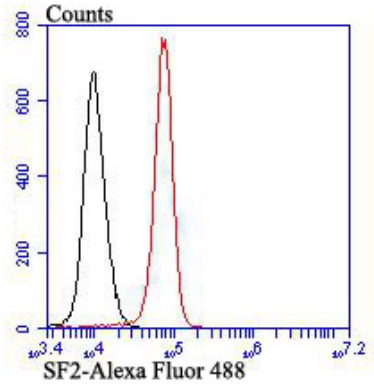
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-SF2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat epididymis tissue using anti-SF2 antibody. Counter stained with hematoxylin.



ICC staining SF2 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of K562 cells with SF2 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Pre-mRNA splicing enhancer elements are short RNA sequences capable of activating weak splice sites in nearby introns that are required for accurate splice site recognition and the control of alternative splicing. Splicing enhancer elements contain specific binding sites for serine/arginine (SR)-rich splicing factors, which include SC35, 9G8, SRp20, and SF2/ASF. The family of SR factors all contain one or more RNA recognition motifs (RRM) and an arginine/ serine (RS)-rich domain. They are not only essential for constitutive splicing but also regulate splicing in a concentration-dependent manner by influencing the selection of alternative splice sites. The majority of SR proteins, including SC35 and SRp40, are confined to the nucleus, while SF2/ASF, SRp20, and 9G8 are continuously shuttled between the nucleus and the cytoplasm and contribute to mRNA transport. The activity of SR proteins in regulated splicing is antagonized by members of the hnRNP A/B family of proteins, which induce drastic shifts in the selection of splicing sites.

References

Note: This product is for in vitro research use only