Data Sheet (Cat.No.TMAC-03715)

Anti-SRSF1 Antibody (4J752)

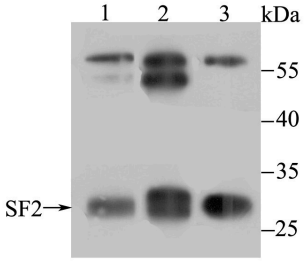
Product Details

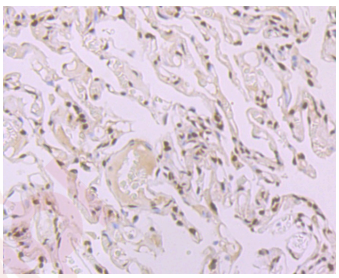
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Clone:	4J752
Purification:	ProA affinity purified

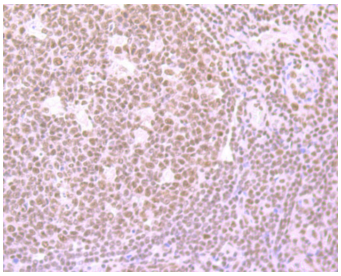
Applications

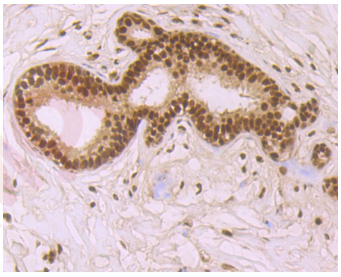
Verified Activity:

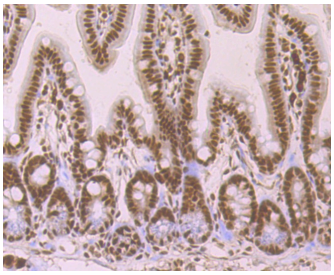
1. Western blot analysis of SF2 on different lysates using anti-SF2 antibody at 1/500 dilution. Positive control: Lane 1: Mouse heart, Lane 2: Mouse liver, Lane 3: K562.
2. Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-SF2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-SF2 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-SF2 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-SF2 antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded rat epididymis tissue using anti-SF2 antibody. Counter stained with hematoxylin.
7. 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.
8. 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.

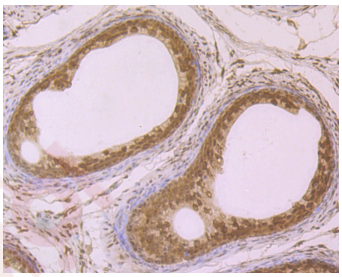


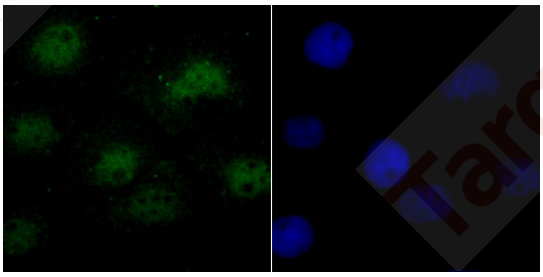


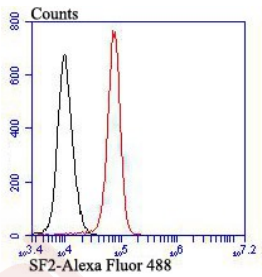












Application: FCM,ICC,IF,IHC,WB

Recommended: WB: 1:500-1000; IHC: 1:50-200; ICC: 1:50; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q07955

Synonyms: SFRS1;ASF;Serine/arginine-rich splicing factor 1;Alternative-splicing factor 1 (ASF-1);SF2; SF2P33;pre-mRNA-splicing factor SF2, P33 subunit;SRSF1;Splicing factor, arginine/serine-rich 1

Research 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.

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