

SF3A1 polyclonal antibody

Catalog: BS66240

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

The mammalian splicing factor SF3a contains three primary subunits: SF3A1 (SF3a120), SF3A2 (SF3a66), and SF3A3 (SF3a60), which, along with SF3b, activate the U2 snRNP to form the pre-mRNA splicing complex. SF3A2 and SF3A3 interact with SF3A1, but not with each other, and SF3A3 plays a major role in recruiting SF3A1 to the complex. Each protein in the heterotrimer has been shown to be essential for mRNA splicing and cell viability. Notably, SF3a plays a role in growth factor signaling as SF3A1 can bind to ER α when phosphorylated at Ser118 to affect downstream splicing. SF3a also plays a role in the innate immune response, promoting inflammation by splicing the TLR adaptor Myd88. Furthermore, SF3a regulates several genes involved in innate immune signaling pathways in macrophages versus other pathways.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 125 kDa

Swiss-Prot:

Q15459

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

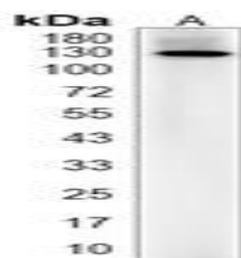
WB, 1:500 - 1:1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

SF3A1 polyclonal antibody detects endogenous levels of SF3A1 protein.

DATA:

Western blot analysis of SF3A1 in K562 (A) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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