

AP53869PU-N**Polyclonal Antibody to SF3B2 (Center) - Aff - Purified**

Alternate names:	SAP145, Splicing factor 3B subunit 2
Quantity:	0.4 ml
Concentration:	lot specific
Background:	This gene encodes subunit 2 of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence-independent manner and may anchor the U2 snRNP to the pre-mRNA. Splicing factor 3b is also a component of the minor U12-type spliceosome. Subunit 2 associates with pre-mRNA upstream of the branch site at the anchoring site. Subunit 2 also interacts directly with subunit 4 of the splicing factor 3b complex. Subunit 2 is a highly hydrophilic protein with a proline-rich N-terminus and a glutamate-rich stretch in the C-terminus. [provided by RefSeq].
Uniprot ID:	Q13435
NCBI:	NP_006833
GeneID:	10992
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 515-545 amino acids from the Central region of Human SF3B2 Genename: SF3B2
Format:	State: Liquid purified Ig fraction Purification: Protein A column followed by peptide Affinity purification Buffer System: PBS with 0.09% (W/V) Sodium Azide as preservative
Applications:	ELISA: 1/1,000. Western blotting: 1/100-1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes SF3B2 (Center). Species: Human. Other species not tested.
Add. Information:	Molecular Weight: 100228 Da
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

General Readings:

1. Matsuoka S, Ballif BA, Smogorzewska A, McDonald ER, Hurov KE, Luo J, et al. ATM and ATR substrate analysis reveals extensive protein networks responsive to DNA damage. *Science*. 2007 May 25;316(5828):1160-6. PubMed PMID: 17525332.
2. Ewing RM, Chu P, Elisma F, Li H, Taylor P, Climie S, et al. Large-scale mapping of human protein-protein interactions by mass spectrometry. *Mol Syst Biol*. 2007;3:89. Epub 2007 Mar 13. PubMed PMID: 17353931.
3. Olsen JV, Blagoev B, Gnad F, Macek B, Kumar C, Mortensen P, et al. Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. *Cell*. 2006 Nov 3;127(3):635-48. PubMed PMID: 17081983.
4. Terada Y, Yasuda Y. Human immunodeficiency virus type 1 Vpr induces G2 checkpoint activation by interacting with the splicing factor SAP145. *Mol Cell Biol*. 2006 Nov;26(21):8149-58. Epub 2006 Aug 21. PubMed PMID: 16923959.

Pictures:

Western blot analysis using SF3B2 Antibody (Center) Cat.-No AP53869PU-N in A549 cell line lysates (35ug/lane). This demonstrates the SF3B2 antibody detected the SF3B2 protein (arrow).

