ARG40015
anti-SF3B6 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SF3B6
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SF3B6
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-125 of Human SF3B6 (NP_057131.1).
Conjugation	Un-conjugated
Alternate Names	Pre-mRNA branch site protein p14; Splicing factor 3B subunit 6; CGI-110; Spliceosome-associated protein, 14-kDa; SF3B14; SF3B14a; HSPC175; SF3b 14 kDa subunit; P14; Ht006; Splicing factor 3b, subunit 6, 14kDa; SAP14; SAP14a

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Mouse spleen and K562
Observed Size	14 kDa

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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

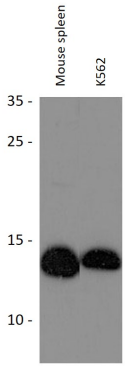
Gene Symbol	SF3B6
Gene Full Name	splicing factor 3b, subunit 6, 14kDa
Background	This gene encodes a 14 kDa protein subunit of the splicing factor 3b complex. Splicing factor 3b associates with both the U2 and U11/U12 small nuclear ribonucleoprotein complexes (U2 snRNP) of spliceosomes. This 14 kDa protein interacts directly with subunit 1 of the splicing factor 3b complex. This 14 kDa protein also interacts directly with the adenosine that carries out the first transesterification step of splicing at the pre-mRNA branch site. [provided by RefSeq, Jul 2008]
Function	Necessary for the splicing of pre-mRNA. Directly contacts the pre-mRNA branch site adenosine for the first catalytic step of splicing. Enters the spliceosome and associates with the pre-mRNA branch site as part of the 17S U2 or, in the case of the minor spliceosome, as part of the 18S U11/U12 snRNP complex, and thus may facilitate the interaction of these snRNP with the branch sites of U2 and U12 respectively. [UniProt]
Calculated Mw	15 kDa
Cellular Localization	Nucleus. [UniProt]

Images

ARG40015 anti-SF3B6 antibody WB image

Western blot: Human pancreatic ductal adenocarcinoma stained with ARG40015 anti-SF3B6 antibody.

From Li J et al. Mol Med- (2021), doi: 10.1186/s10020-021-00347-7, Fig. 5. B.



ARG40015 anti-SF3B6 antibody WB image

Western blot: 25 µg of Mouse spleen and K562 cell lysates stained with ARG40015 anti-SF3B6 antibody at 1:3000 dilution.