

Datasheet for ABIN7600556
anti-SF3A1 antibody (AA 20-556)



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Overview

Quantity:	100 µg
Target:	SF3A1
Binding Specificity:	AA 20-556
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SF3A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-SF3A1 Antibody Picoband®
Immunogen:	E.coli-derived human SF3A1 recombinant protein (Position: K20-Q556).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SF3A1 Antibody Picoband® (ABIN7600556). Tested in ELISA, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SF3A1
Alternative Name:	SF3A1 (SF3A1 Products)
Background:	Synonyms: Serine protease HTRA3,3.4.21.-;High-temperature requirement factor A3,Pregnancy-related serine protease,HTRA3,PRSP, Tissue Specificity: Widely expressed, with highest levels in both adult and fetal heart, ovary, uterus placenta, and bladder. In the endometrium, expressed in epithelial glands and the stroma. Also present in leukocytes. Isoform 1 is predominant in heart and skeletal muscle, whereas isoform 2 is predominant in placenta and kidney. . Background: Splicing factor 3 subunit 1 is a protein that in humans is encoded by the SF3A1 gene. This gene encodes a subunit of the splicing factor 3a protein complex. The splicing factor 3a heterotrimer is a component of the mature U2 small nuclear ribonucleoprotein particle (snRNP). U2 small nuclear ribonucleoproteins play a critical role in spliceosome assembly and pre-mRNA splicing.
Molecular Weight:	120-130 kDa
Gene ID:	10291
UniProt:	Q15459
Pathways:	Ribonucleoprotein Complex Subunit Organization

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human, Rat ELISA, 0.1-0.5 µg/mL, - 1. Isono, K., Abe, K., Tomaru, Y., Okazaki, Y., Hayashizaki, Y., Koseki, H. Molecular cloning, genetic mapping, and expression of the mouse Sf3b1 (SAP155) gene for the U2 snRNP component of spliceosome. Mammalian Genome 12: 192-198, 2001. 2. Kramer, A., Mulhauser, F., Wersig, C., Groning, K., Bilbe, G. Mammalian splicing factor SF3a120 represents a new member of the SURP family of proteins and is homologous to the essential splicing factor PRP21p of Saccharomyces cerevisiae. RNA 1: 260-272, 1995. 3. Wang, C., Chua, K., Seghezzi, W., Lees, E., Gozani, O., Reed, R. Phosphorylation of spliceosomal protein SAP 155 coupled with splicing catalysis. Genes Dev. 12: 1409-1414, 1998.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.