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Anti-SAP130 Antibody
Rabbit polyclonal antibody to SAP130
Catalog # AP59818

Specification

Anti-SAP130 Antibody - Product Information

Application	**WB**
Primary Accession	Q15393
Other Accession	Q921M3
Reactivity	**Human, Mouse, Rat, Zebrafish, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**135577**

Anti-SAP130 Antibody - Additional Information

Gene ID 23450

Other Names
KIAA0017; SAP130; Splicing factor 3B subunit 3; Pre-mRNA-splicing factor SF3b 130 kDa subunit; SF3b130; STAF130; Spliceosome-associated protein 130; SAP 130

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SAP130. The exact sequence is proprietary.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-SAP130 Antibody - Protein Information

Name SF3B3

Synonyms KIAA0017, SAP130 {ECO:0000303|PubMed:104

Function
Component of the 17S U2 SnRNP complex of the spliceosome, a large ribonucleoprotein complex that removes introns from transcribed pre-mRNAs (PubMed:10490618, PubMed:10882114, PubMed:12234937, PubMed:<a

href="http://www.uniprot.org/citations/27720643" target="_blank">27720643, PubMed:28781166, PubMed:32494006, PubMed:34822310). The 17S U2 SnRNP complex (1) directly participates in early spliceosome assembly and (2) mediates recognition of the intron branch site during pre-mRNA splicing by promoting the selection of the pre-mRNA branch- site adenosine, the nucleophile for the first step of splicing (PubMed:12234937, PubMed:32494006, PubMed:34822310). Within the 17S U2 SnRNP complex, SF3B3 is part of the SF3B subcomplex, which is required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence in pre-mRNA (PubMed:12234937, PubMed:27720643). Sequence independent binding of SF3A and SF3B subcomplexes upstream of the branch site is essential, it may anchor U2 snRNP to the pre-mRNA (PubMed:12234937). May also be involved in the assembly of the 'E' complex (PubMed:10882114). Also acts as a component of the minor spliceosome, which is involved in the splicing of U12-type introns in pre-mRNAs (PubMed:15146077, PubMed:33509932).

Cellular Location
Nucleus

Anti-SAP130 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-SAP130 Antibody - Images

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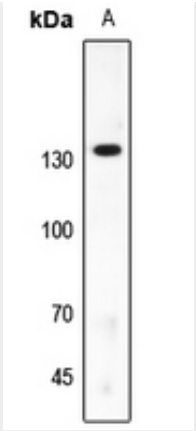

Western blot analysis of SAP130 expression in zebrafish (A) whole cell lysates.

Anti-SAP130 Antibody - Background

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