

**SAP14 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51508**

**Specification**

**SAP14 Antibody - Product Information**

|                   |                          |
|-------------------|--------------------------|
| Application       | <b>WB</b>                |
| Primary Accession | <a href="#">Q9Y3B4</a>   |
| Reactivity        | <b>Human, Mouse, Rat</b> |
| Host              | <b>Rabbit</b>            |
| Clonality         | <b>Polyclonal</b>        |
| Calculated MW     | <b>14 KDa</b>            |
| Antigen Region    | <b>61 - 120</b>          |

**SAP14 Antibody - Additional Information**

**Gene ID** 51639

**Other Names**

Splicing factor 3B subunit 6, Pre-mRNA branch site protein p14, SF3b 14 kDa subunit, SF3B14a, Spliceosome-associated protein, 14-kDa, Splicing factor 3b, subunit 6, 14kDa, SF3B6, SAP14, SF3B14, SF3B14A

**Target/Specificity**

KLH conjugated synthetic peptide derived from human SAP14

**Dilution**

WB~~ 1:1000

**Format**

0.01M PBS, pH 7.2, 0.1% Sodium azide, Glycerol 50%

**Storage**

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

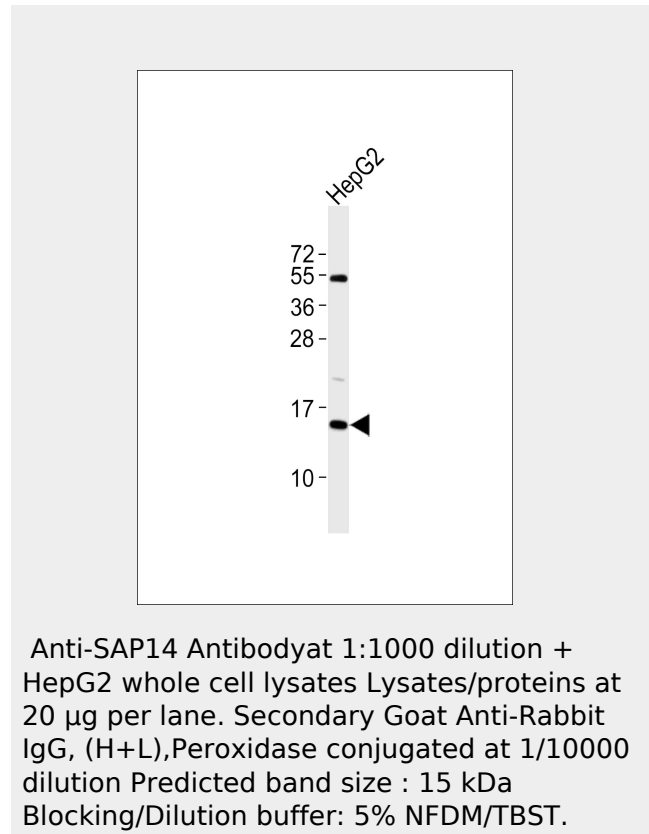
**SAP14 Antibody - Protein Information**

**Name** SF3B6

**Synonyms** SAP14, SF3B14, SF3B14A

**Function**

Involved in pre-mRNA splicing as a



**SAP14 Antibody - Background**

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.

**SAP14 Antibody - References**

Will C.L., et al. EMBO J. 20:4536-4546(2001).  
Lai C.-H., et al. Genome Res. 10:703-713(2000).  
Zhang Q.-H., et al. Genome Res. 10:1546-1560(2000).  
Hu R.-M., et al. Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).

component of the splicing factor SF3B complex (PubMed:<a href="http://www.uniprot.org/citations/27720643" target="\_blank">27720643</a>). SF3B complex is required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA (PubMed:<a href="http://www.uniprot.org/citations/12234937" target="\_blank">12234937</a>). Directly contacts the pre-mRNA branch site adenosine for the first catalytic step of splicing (PubMed:<a href="http://www.uniprot.org/citations/16432215" target="\_blank">16432215</a>). 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 (PubMed:<a href="http://www.uniprot.org/citations/16432215" target="\_blank">16432215</a>).

Will C.L.,et al.EMBO J. 21:4978-4988(2002).

#### Cellular Location

Nucleus

#### SAP14 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 Cytometry](#)
- [Cell Culture](#)