剪接体相关蛋白 62 抗体

产品货号： mlR6997

英文名称： SAP62

中文名称： 剪接体相关蛋白 62 抗体

别　名： PRPF11; SF3a66; SAP 62; SAP-62; Spliceosome-associated protein 62; splicing factor 3a subunit 2; SF3A2_HUMAN.

研究领域： 细胞生物　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Cow,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 49kDa

细胞定位： 细胞核

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human SAP62:65-160/464

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed： PubMed

产品介绍： SAP 62, also known as SF3A2 (Splicing factor 3A subunit 2), PRP11, PRPF11 or SF3a66, is a 464 amino acid protein that contains one matrin-type zinc finger and belongs to the SF3A2 family. Localized to the nucleus, SAP 62 is a subunit of the SF3A splicing factor, a heterotrimeric complex comprised of three subunits that act in tandem to mediate the binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. The SF3A complex is necessary for the conversion of 15S U2 snRNP into the active 17S protein that performs directly in pre-mRNA splicing events. Functioning as the second subunit of the complex, SAP 62 interacts with subunit 1 (SAP 114) via its N-terminus while simultaneously binding to 15S U2 snRNP via its zinc finger domain. In addition to its role in RNA splicing, SAP 62 is thought to act independently as a microtubule-binding protein.

Function:

Subunit of the splicing factor SF3A required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. Sequence independent binding of SF3A/SF3B complex upstream of the branch site is essential, it may anchor U2 snRNP to the pre-mRNA. May also be involved in the assembly of the 'E' complex.

Subunit:

Component of splicing factor SF3A which is composed of three subunits; SF3A3/SAP61, SF3A2/SAP62, SF3A1/SAP114. SF3A associates with the splicing factor SF3B and a 12S RNA unit to form the U2 small nuclear ribonucleoproteins complex (U2 snRNP). Identified in the spliceosome C complex. Interacts with HTATSF1.

Subcellular Location:

Nuclear

Tissue Specificity:

Component of splicing factor SF3A which is composed of three subunits; SF3A3/SAP61, SF3A2/SAP62, SF3A1/SAP114. SF3A associates with the splicing factor SF3B and a 12S RNA unit to form the U2 small nuclear ribonucleoproteins complex (U2 snRNP). Identified in the spliceosome C complex. Interacts with HTATSF1.

Similarity:

Belongs to the SF3A2 family.

Contains 1 matrin-type zinc finger.

SWISS:

Q15428

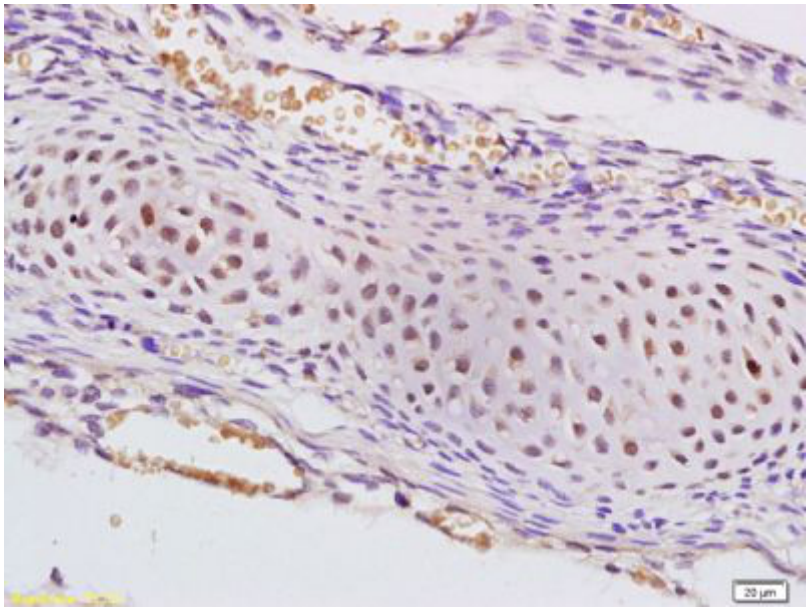
Gene ID:

8175

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片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