选择性剪接因子 3B 亚基 4 抗体

产品货号： mlR19681

英文名称： SF3B4

中文名称： 选择性剪接因子 3B 亚基 4 抗体

别　　名： AFD1; Hsh49; MGC10828; Pre mRNA splicing factor SF3b 49 kDa subunit; Pre-mRNA-splicing factor SF3b 49 kDa subunit; SAP 49; SAP49; Sf3b4; SF3B4_HUMAN; SF3b49; SF3b50; Spliceosomal protein; Spliceosome associated protein (U2 snRNP); Spliceosome associated protein 49; Spliceosome-associated protein 49; Splicing factor 3b subunit 4 49kDa; Splicing factor 3B subunit 4.

研究领域： 细胞生物　转录调节因子　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Saccharomyces cerevisiae, Fruit fly (Drosophila melanogaster

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （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： 44kDa

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 SF3B4:2-100/424

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： This gene encodes one of four subunits of the splicing factor 3B. The protein encoded by this gene cross-links to a region in the pre-mRNA immediately upstream of the branchpoint sequence in pre-mRNA in the prespliceosomal complex A. It also may be involved in the assembly of the B, C and E spliceosomal complexes. In addition to RNA-binding activity, this protein interacts directly and highly specifically with subunit 2 of the splicing factor 3B. This protein contains two N-terminal RNA-recognition motifs (RRMs), consistent with the observation that it binds directly to pre-mRNA. [provided by RefSeq, Jul 2008]

Function:

Subunit of the splicing factor SF3B 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. SF3B4 has been found in complex 'B' and 'C' as well. Belongs also to the minor U12-dependent spliceosome, which is involved in the splicing of rare class of nuclear pre-mRNA intron.

Subunit:

Component of splicing factor SF3B complex which is composed of at least eight subunits; SF3B1, SF3B2, SF3B3, SF3B4, SF3B5, SF3B6, PHF5A/SF3B14B, and DDX42/SF3B125. SF3B associates with the splicing factor SF3A and a

12S RNA unit to form the U2 small nuclear ribonucleoproteins complex (U2 snRNP). Component of the U11/U12 snRNPs that are part of the U12-type spliceosome. SF3B4 interacts directly with SF3B2.

DISEASE:

The disease is caused by mutations affecting the gene represented in this entry.

Disease description:A form of acrofacial dysostosis, a group of disorders which are characterized by malformation of the craniofacial skeleton and the limbs. The major facial features of AFD1 include downslanted palpebral fissures, midface retrusion, and micrognathia, the latter of which often requires the placement of a tracheostomy in early childhood. Limb defects typically involve the anterior (radial) elements of the upper limbs and manifest as small or absent thumbs, triphalangeal thumbs, radial hyoplasia or aplasia, and radioulnar synostosis. Phocomelia of the upper limbs and, occasionally, lower-limb defects have also been reported.

Similarity:

Belongs to the SF3B4 family.

Belongs to the SF3B4 family.CuratedContains 2 RRM (RNA recognition motif) domains.

SWISS:

Q15427

Gene ID:

10262

Important Note:

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

mlbio 酶联生物
Good elisakit producers