

**Catalog No** 



## SEN2 Polyclonal Antibody

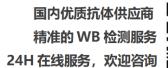
BYab-06321

| Isotype            | IgG  |
|--------------------|--|
| Reactivity         | Human;Rat;Mouse;   |
| Applications       | WB;ELISA   |
| Gene Name          | TSEN2 SEN2   |
| Protein Name       | tRNA-splicing endonuclease subunit Sen2 (EC 3.1.27.9) (tRNA-intron endonuclease Sen2) (HsSen2)   |
| Immunogen          | Synthesized peptide derived from part region of human protein  |
| Specificity        | SEN2 Polyclonal Antibody detects endogenous levels of protein.   |
| Formulation        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.   |
| Source             | Polyclonal, Rabbit,IgG   |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.  |
| Dilution           | WB 1:500-2000 ELISA 1:5000-20000   |
| Concentration      | 1 mg/ml  |
| Purity             | ≥90%   |
| Storage Stability  | -20°C/1 year   |
| Synonyms           |  |
| Observed Band      | 51kD   |
| Cell Pathway       | Nucleus . Nucleus, nucleolus . May be transiently localized in the nucleolus.  |
| Tissue Specificity | Isoform 1 and isoform 2 are widely expressed at very low level.  |
| Function           | catalytic activity:Endonucleolytic cleavage of pre-tRNA, producing 5'-hydroxy and 2',3'-cyclic phosphate termini, and specifically removing the intron.,disease:Defects in TSEN2 are the cause of pontocerebellar hypoplasia type 2B (PCH2B) [MIM:612389]. Pontocerebellar hypoplasia (PCH) is a heterogeneous group of disorders characterized by an abnormally small cerebellum and brainstem. PCH type 2 is characterized by progressive microcephaly from birth combined with extrapyramidal dyskinesia and chorea, epilepsy, and normal spinal cord findings.,function:Constitutes one of the two catalytic subunit of the tRNA-splicing endonuclease complex, a complex responsible for identification and cleavage of the splice sites in pre-tRNA. It cleaves pre-tRNA at the 5'- and 3'-splice sites to release the intron. The products are an intron and two tRNA half-molecules bearing 2',3' cyclic phosphate and |
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|                           | 5'-OH   |
|---------------------------|---|
| Background                | This gene encodes one of the subunits of the tRNA splicing endonuclease. This endonuclease catalyzes the first step in RNA splicing which is the removal of introns. Mutations in this gene have been associated with pontocerebellar hypoplasia type 2. A pseudogene has been identified on chromosome 4. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Feb 2009], |
| matters needing attention | Avoid repeated freezing and thawing!  |
| Usage suggestions         | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.   |

## Products Images

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