SEN2 Polyclonal Antibody

Catalog No	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

	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