



# TSEN54 Monoclonal Antibody

Catalog No	BYmab-02141
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	TSEN54
Protein Name	tRNA-splicing endonuclease subunit Sen54
Immunogen	The antiserum was produced against synthesized peptide derived from human TSEN54. AA range:261-310
Specificity	TSEN54 Monoclonal Antibody detects endogenous levels of TSEN54 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TSEN54; SEN54; tRNA-splicing endonuclease subunit Sen54; SEN54 homolog; HsSEN54; tRNA-intron endonuclease Sen54
Observed Band	60kD
Cell Pathway	Nucleus . Nucleus, nucleolus . May be transiently localized in the nucleolus. .
Tissue Specificity	Blood,Cerebellum,Uterus,
Function	disease:Defects in TSEN54 are the cause of pontocerebellar hypoplasia type 2A (PCH2A) [MIM:277470]. PCH type 2 is characterized by progressive microcephaly from birth combined with extrapyramidal dyskinesia and chorea, epilepsy, and normal spinal cord findings..disease:Defects in TSEN54 are the cause of pontocerebellar hypoplasia type 4 (PCH4) [MIM:225753]. Pontocerebellar hypoplasia (PCH) is a heterogeneous group of disorders characterized by an abnormally small cerebellum and brainstem. PCH4 is characterized by severe course and early lethality..function:Non-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

Nanjing BYabscience technology Co.,Ltd



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 termini. There a

#### Background

This gene encodes a subunit of the tRNA splicing endonuclease complex, which catalyzes the removal of introns from precursor tRNAs. The complex is also implicated in pre-mRNA 3-prime end processing. Mutations in this gene result in pontocerebellar hypoplasia type 2.[provided by RefSeq, Oct 2009],

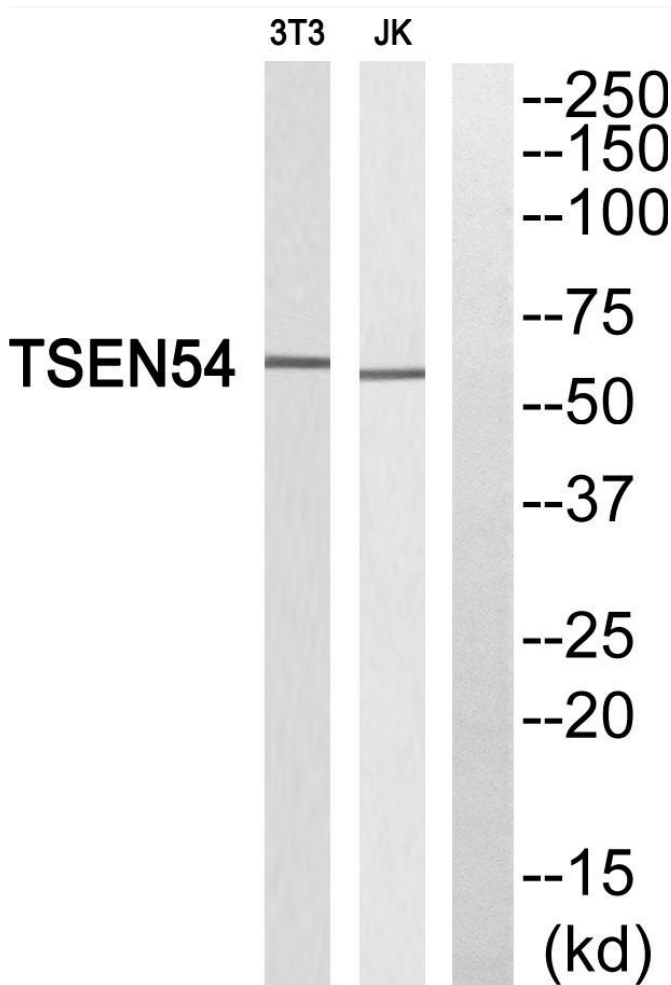
#### matters needing attention

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



Western Blot analysis of various cells using TSEN54 Monoclonal Antibody