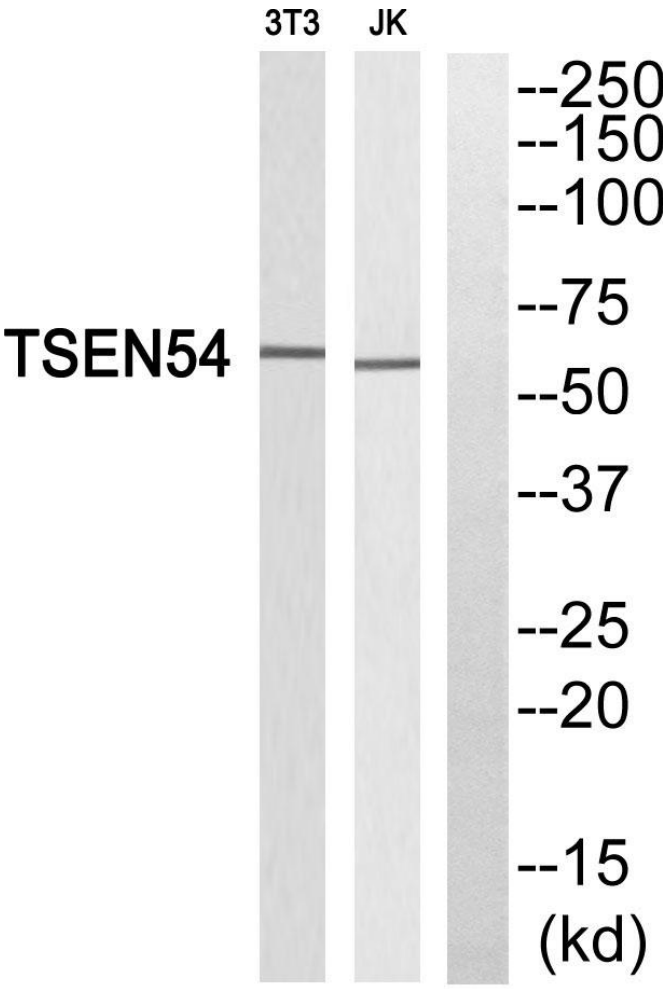
TSEN54 Monoclonal Antibody

Catalog No	YP-mAb-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 1:500-1:2000
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 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