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Datasheet for ABIN1387139
anti-TSEN2 antibody

Overview

Quantity:	100 µL
Target:	TSEN2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSEN2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TSEN2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	TSEN2
Alternative Name:	TSEN2 (TSEN2 Products)
Background:	Synonyms: HsSen2, MGC2776, MGC4440, SEN2, SEN2L, tRNA intron endonuclease Sen2, tRNA splicing endonuclease 2 homolog SEN2, S. cerevisiae, tRNA splicing endonuclease subunit Sen2, TSEN 2, SEN2_HUMAN.

Target Details

Background: The tRNA-splicing endonuclease complex is responsible for identifying and cleaving pre-tRNA at both 5' and 3' splice sites, thereby releasing introns and free tRNA molecules with 2',3' cyclic phosphates and 5'-OH termini. In addition to its role in pre-tRNA splicing, the heterotetrameric endonuclease complex participates in mRNA processing and, via its association with pre-mRNA processing factors, is thought to link pre-tRNA and pre-mRNA splicing events. TSEN2 (tRNA-splicing endonuclease subunit Sen2), also known as tRNA-intron endonuclease Sen2, is a 465 amino acid nuclear protein that constitutes one of the two catalytic subunits of the tRNA-splicing endonuclease complex. There are three isoforms of TSEN2 that are produced as a result of alternative splicing events. Isoform 1 seems to carry the active site for 5'-splice site cleavage. Defects in the gene encoding TSEN2 are the cause of pontocerebellar hypoplasia type 2B, which is characterized by progressive microencephaly with epilepsy, extrapyramidal dyskinesia and chorea without spinal cord findings.

Gene ID: 80746

Pathways: [Nuclear Receptor Transcription Pathway](#), [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months