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Datasheet for ABIN1404360

anti-TSEN2 antibody (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	TSEN2
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSEN2 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (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:	<p>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.</p> <p>Background: The tRNA-splicing endonuclease complex is responsible for identifying and</p>

Target Details

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:	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months