SEN15 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SEN15, Polyclonal Antibody
Full Product Name	SEN15 rabbit pAb
Product Gene Name	anti-SEN15 antibody
Product Synonym Gene Name	TSEN15; C1orf19
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Preparation and Storage	Store at -20 degree C for ~1 year
Molecular Weight	13,888 Da
OMIM	608756
3D Structure	ModBase 3D Structure for Q8WW01
Product Categories/Family for anti-SEN15 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SEN15 antibody	Western Blot (WB)
Application Notes for anti-SEN15 antibody	WB: 1:500-2000
Related Product Information for anti-SEN15 antibody	This gene encodes a subunit of the tRNA splicing endonuclease, which catalyzes the removal of introns from tRNA precursors. Alternative splicing results in multiple transcript variants. There is a pseudogene of this gene on chromosome 17. [provided by RefSeq, Jul 2014]
Other Notes	Small volumes of anti-SEN15 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SEN15 purchase	MBS8601559 is an antibody targeting SEN15. Also known as SEN15 rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SEN15. It may not necessarily be applicable to this product.

NCBI GI #	188528677
NCBI GeneID	116461
NCBI Accession #	NP_001120866.1
UniProt Primary Accession #	Q8WW01

UniProt Secondary Accession #	Q9BZQ5; B4DKP0
UniProt Related Accession #	Q8WW01
GenBank Nucleotide #	NM_001127394.3
NCBI Official Full Name	tRNA-splicing endonuclease subunit Sen15 isoform 2
NCBI Official Synonym Full Names	TSEN15 tRNA splicing endonuclease subunit
NCBI Official Symbol	TSEN15
NCBI Official Synonym Symbols	sen15; C1orf19
UniProt Protein Name	tRNA-splicing endonuclease subunit Sen15
UniProt Synonym Protein Names	SEN15 homolog; HsSEN15; tRNA-intron endonuclease Sen15
Protein Family	Probable tRNA-splicing endonuclease
UniProt Gene Name	TSEN15
UniProt Synonym Gene Names	C1orf19; SEN15; HsSEN15
UniProt Entry Name	SEN15_HUMAN
NCBI Protein Information	tRNA-splicing endonuclease subunit Sen15; tRNA splicing endonuclease 15 homolog; tRNA-intron endonuclease Sen15
UniProt Comments for SEN15	TSEN15: 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 are no conserved sequences at the splice sites, but the intron is invariably located at the same site in the gene, placing the splice sites an invariant distance from the constant structural features of the tRNA body. The tRNA splicing endonuclease is also involved in mRNA processing via its association with pre-mRNA 3' end processing factors, establishing a link between pre-tRNA splicing and pre-mRNA 3' end formation, suggesting that the endonuclease subunits function in multiple RNA-processing events. Belongs to the SEN15 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Nucleolus Chromosomal Location of Human Ortholog: 1q25 Cellular Component: nucleolus Molecular Function: tRNA-intron endonuclease activity Biological Process: tRNA splicing; mRNA processing
Research Articles on SEN15	**1.** A candidate SNP associated with the tRNA-splicing protein gene TSEN15 was independently associated with the risk of atrial fibrillation.
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