

SEN15 Rabbit pAb

CatalogNo: YT7577

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, IHC

MW

- 19kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000**IHC 1:50-300**

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human SEN15 AA range: 84-134

Specificity

This antibody detects endogenous levels of SEN15 at Human/Mouse

Target Information

Gene name

TSEN15 C1orf19 SEN15

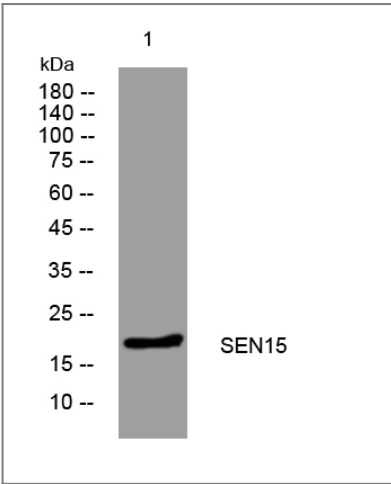
Protein Name	SEN15		
	Organism	Gene ID	UniProt ID
	Human	116461 ;	Q8WW01 ;
	Mouse	66637 ;	Q8R3W5 ;

Cellular Localization Nucleus . Nucleus, nucleolus . May be transiently localized in the nucleolus. .

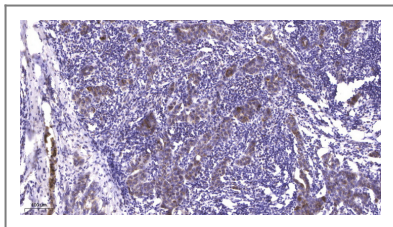
Tissue specificity Widely expressed. Highly expressed in testis and uterus.

Function Caution:Although only weakly related to the S.cerevisiae SEN15 protein, it probably displays the same function within the tRNA splicing endonuclease complex.,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 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.,similarity:Belongs to the SEN15 family.,subcellular location:May be transiently localized in the nucleolus.,subunit:tRNA splicing endonuclease is a heterotetramer composed of SEN2, SEN15, SEN34/LENG5 and SEN54. tRNA splicing endonuclease complex also contains proteins of the pre-mRNA 3' end processing machinery such as CLP1, CPSF1, CPSF4 and CSTF2.,tissue specificity:Widely expressed. Highly expressed in testis and uterus.,

Validation Data



Western blot analysis of lysates from HuvEc cells, primary antibody was diluted at 1:1000, 4°over night



Immunohistochemical analysis of paraffin-embedded human Breast cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

| Contact information

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SEN15 Rabbit pAb

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