

Rabbit Anti-Neural retinal specific leucine zipper/NRL/Cy5.5 Conjugated antibody

SL19351R-Cy5. 5

Product Name	Anti-Neural retinal specific leucine zipper/NRL/Cy5.5
Chinese Name	Cy5.5 标记的神经视网膜特定亮氨酸拉链蛋白抗体
Alias	D14S46E; Neural retina-specific leucine zipper protein; Neural retinal specific leucine zipper; NRL; NRL MAF; NRL_HUMAN; RP27.
Research Area	Cell biology Neurobiology transcriptional regulatory factor Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Rat(predicted:Mouse,Dog,Pig,Cow,Rabbit,Sheep) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	26kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Neural retinal specific leucine zipper/NRL
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: This gene encodes a basic motif-leucine zipper transcription factor of the Maf subfamily. The encoded protein is conserved among vertebrates and is a critical intrinsic regulator of photoceptor development and function. Mutations in this gene have been associated with retinitis pigmentosa and

retinal degenerative diseases. [provided by RefSeq, Jul 2008]

Function:

Transcription factor which regulates the expression of several rod-specific genes, including RHO and PDE6B.

Subcellular Location:

Nucleus.

Tissue Specificity:

Neural retina.

DISEASE:

Defects in NRL are the cause of retinitis pigmentosa type 27 (RP27) [MIM:162080]. RP leads to degeneration of retinal photoreceptor cells. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well. RP27 inheritance is autosomal dominant.

Similarity:

Belongs to the bZIP family.
Contains 1 bZIP domain.

Database links:

[Entrez Gene: 4901](#) Human

[Entrez Gene: 18185](#) Mouse

[Omim: 162080](#) Human

[SwissProt: P54845](#) Human

[SwissProt: P54846](#) Mouse

[Unigene: 652297](#) Human

[Unigene: 20422](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



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