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**Product Name: Nrl Rabbit Polyclonal Antibody****Catalog #: APRab14900**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	25kDa

**Antigen Information**

<b>Gene Name</b>	NRL
<b>Alternative Names</b>	NRL; D14S46E; Neural retina-specific leucine zipper protein; NRL
<b>Gene ID</b>	4901.0
<b>SwissProt ID</b>	P54845
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human NRL. AA range:19-68

**Background**

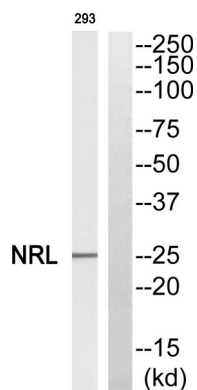
This gene encodes a basic motif-leucine zipper transcription factor of the Maf subfamily. The encoded protein is conserved

among vertebrates and is a critical intrinsic regulator of photoreceptor development and function. Mutations in this gene have been associated with retinitis pigmentosa and retinal degenerative diseases. [provided by RefSeq, Jul 2008],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.,function:Transcription factor which regulates the expression of several rod-specific genes, including RHO and PDE6B.,online information:Retina International's Scientific Newsletter,similarity:Belongs to the bZIP family.,similarity:Contains 1 bZIP domain.,subunit:Interacts with FIZ1. This interaction represses transactivation.,tissue specificity:Neural retina.,

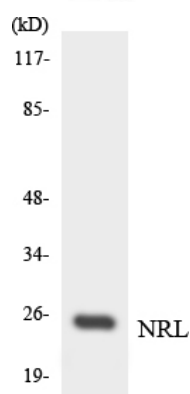
## Research Area

Domain Families; HLH / Leucine Zipper; Leucine Zipper; Neuroscience; Sensory System; Visual system; Epigenetics and Nuclear Signaling; Transcription; Transcription Factors

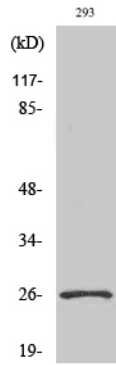
## Image Data



Western blot analysis of NRL Antibody. The lane on the right is blocked with the NRL peptide.



Western blot analysis of the lysates from HUVEC cells using NRL antibody.



Western Blot analysis of various cells using Nrl Polyclonal Antibody.