

NRL Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51804**Specification**

NRL Antibody - Product Information

Application	WB
Primary Accession	P54845
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29 KDa
Antigen Region	11 - 70

NRL Antibody - Additional Information**Gene ID** 4901**Other Names**

Neural retina-specific leucine zipper protein, NRL, NRL, D14S46E

Target/Specificity

KLH conjugated synthetic peptide derived from human NRL

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C.Stable for 12 months from date of receipt

NRL Antibody - Protein Information**Name** NRL**Synonyms** D14S46E**Function**

Acts as a transcriptional activator which regulates the expression of several rod-specific genes, including RHO and PDE6B (PubMed:21981118). Functions also as a transcriptional coactivator, stimulating transcription mediated by the transcription factor CRX and NR2E3 (PubMed:17335001). Binds in a sequence-specific manner to the rhodopsin promoter (PubMed:17335001).

Cellular Location

Cytoplasm. Nucleus

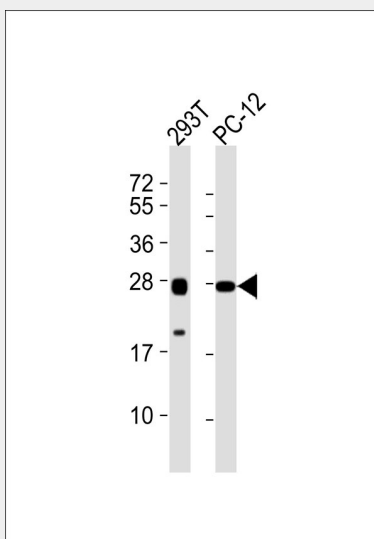
Tissue Location

Expressed in the brain and the retina (PubMed:11477108). Expressed strongly in rod and cone cells (at protein level) (PubMed:11477108).

NRL Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NRL Antibody - Images

All lanes : Anti-NRL Antibody at 1:1000 dilution Lane 1: 293T whole cell lysates Lane 2: PC-12 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 26 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

NRL Antibody - Background

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

NRL Antibody - References

Swaroop A., et al. Proc. Natl. Acad. Sci. U.S.A. 89:266-270(1992).
Jackson A.U., et al. Submitted (OCT-1993) to the EMBL/GenBank/DDBJ databases.
Farjo Q., et al. Genomics 45:395-401(1997).

Li W.B.,et al.Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.