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NRL Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12614a

Specification

NRL Antibody (N-term) Blocking peptide - Product Information

Primary Accession P54845

NRL Antibody (N-term) Blocking peptide - Additional Information

Gene ID 4901

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NRL Antibody (N-term) Blocking peptide - 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).

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NRL Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

NRL Antibody (N-term) Blocking peptide - Images

NRL Antibody (N-term) Blocking peptide - Background

This gene encodes a basic motif-leucine zippertranscription factor of the Maf subfamily. The encoded protein isconserved among vertebrates and is a critical intrinsic regulatorof photoceptor development and function. Mutations in this genehave been associated with retinitis pigmentosa and retinaldegenerative diseases.

NRL Antibody (N-term) Blocking peptide - References

Roger, J.E., et al. J. Biol. Chem. 285(33):25637-25644(2010)Yang, Y., et al. Invest. Ophthalmol. Vis. Sci. 51(4):2229-2235(2010)Kanda, A., et al. Hum. Mutat. 28(6):589-598(2007)Khanna, H., et al. J. Biol. Chem. 281(37):27327-27334(2006)Nishiguchi, K.M., et al. Proc. Natl. Acad. Sci. U.S.A. 101(51):17819-17824(2004)