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Anti-NRL Antibody

Catalog # AP51804

Product Information

Application	WB
Primary Accession	P54845
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25940

Additional Information

Gene ID	4901
Other Names	D14S46E; Neural retina-specific leucine zipper protein; NRL
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human NRL. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

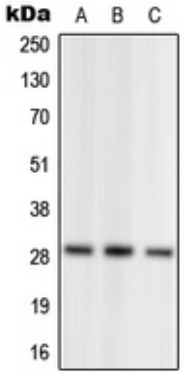
Protein Information

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). Also functions as a transcriptional coactivator, stimulating transcription mediated by the transcription factor CRX and NR2E3 (PubMed:17335001). Binds to the rhodopsin promoter in a sequence- specific manner (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).

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.

Images



Western blot analysis of NRL expression in HEK293T (A), SP2/0 (B), PC12 (C) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 29 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.