



Rabbit Anti-NELL1 antibody

SL10704R

Product Name:	NELL1
Chinese Name:	蛋白激酶CBinding proteinNELL1抗体
Alias:	IDH3GL; NEL like protein 1; Nel related protein 1; NEL-like protein 1; Nel-related protein 1; Nell1; NELL1_HUMAN; Neural epidermal growth factor like 1; NRP1; Protein kinase C binding protein NELL1; Protein kinase C-binding protein NELL1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	87kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NELL1:201-300/810
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a cytoplasmic protein that contains epidermal growth factor (EGF)-like repeats. The encoded heterotrimeric protein may be involved in cell growth regulation and differentiation. A similar protein in rodents is involved in craniosynostosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

Function:

Involved in the control of cell growth and differentiation.

Subunit:

Homotrimer. Binds to PKC beta-1. Interacts with ATRAID; the interaction promotes osteoblast cell differentiation and mineralization.

Subcellular Location:

Secreted.

Similarity:

Contains 6 EGF-like domains.

Contains 1 TSP N-terminal (TSPN) domain.

Contains 5 VWFC domains.

SWISS:

Q92832

Gene ID:

4745

Database links:

[Entrez Gene: 4745](#)Human

[Entrez Gene: 338352](#)Mouse

[Entrez Gene: 81733](#)Rat

[Omim: 602319](#)Human

[SwissProt: Q92832](#)Human

[SwissProt: Q2VWQ2](#)Mouse

[SwissProt: Q62919](#)Rat

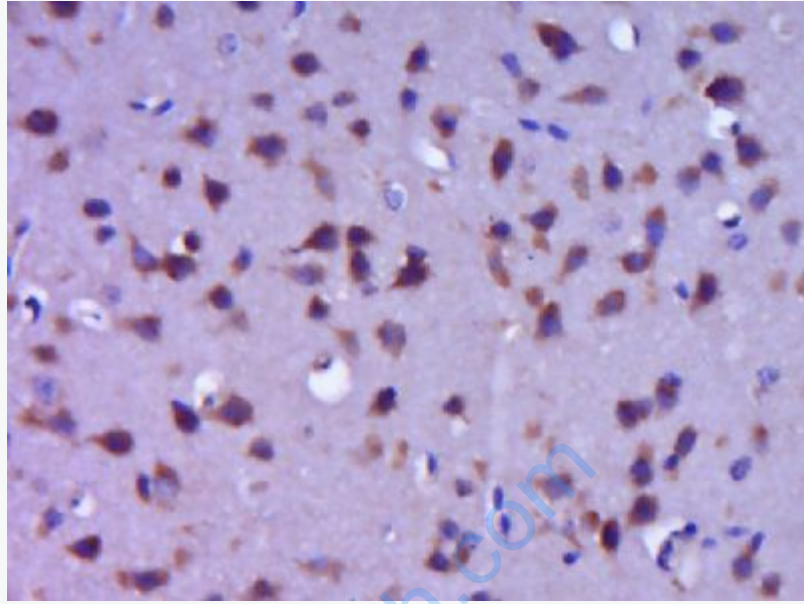
[Unigene: 657172](#)Human

[Unigene: 383528](#)Mouse

[Unigene: 10695](#)Rat

Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NELL1) Polyclonal Antibody, Unconjugated (SL10704R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.