

NELL2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54664

Specification

NELL2 Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	O99435
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	91346

NELL2 Polyclonal Antibody - Additional Information

Gene ID 4753

Other Names

Protein kinase C-binding protein NELL2, NEL-like protein 2, Nel-related protein 2, NELL2, NRP2

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

NELL2 Polyclonal Antibody - Protein Information

Name NELL2 ([HGNC:7751](#))

Synonyms NRP2

Function

Plays multiple roles in neural tissues, regulates neuronal proliferation, survival, differentiation, polarization, as well as axon guidance and synaptic functions. Plays an important role in axon development during neuronal differentiation through the MAPK intracellular signaling pathway (By similarity). Via binding to its receptor ROBO3, plays a role in axon guidance, functioning as a repulsive axon guidance cue that contributes to commissural axon guidance to the midline (PubMed:32198364). Required for neuron survival through the modulation of MAPK signaling pathways too. Involved in the regulation of hypothalamic GNRH secretion and the control of puberty (By similarity).

Cellular Location

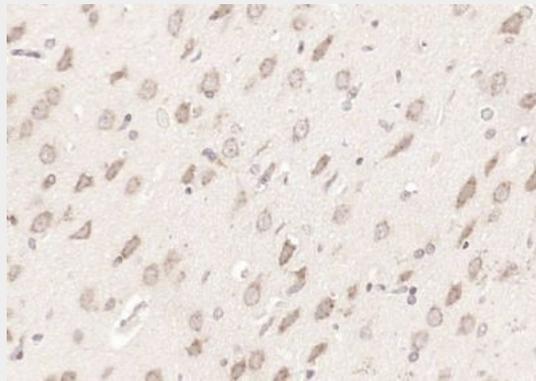
Secreted {ECO:0000250|UniProtKB:Q62918}.

NELL2 Polyclonal Antibody - Protocols

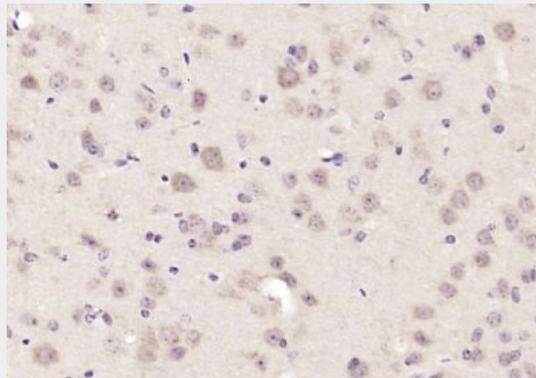
Provided below are standard protocols that you may find useful for product applications.

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

NELL2 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (rat brain); 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 (NELL2) Polyclonal Antibody, Unconjugated (bs-11895R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain); 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 (NELL2) Polyclonal Antibody, Unconjugated (bs-11895R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.