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NELL2 Antibody (internal region, near C-Term)

Peptide-affinity purified goat antibody
Catalog # AF4043a

Specification

NELL2 Antibody (internal region, near C-Term) - Product Information

Application	**E**
Primary Accession	Q99435
Other Accession	NP_001138579.1, NP_006150.1, NP_001138581.1, NP_001138582.1, 4753, 54003 (mouse), 81734 (rat)
Predicted	**Human, Mouse, Rat, Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**91346**

NELL2 Antibody (internal region, near C-Term) - Additional Information

Gene ID 4753

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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
NELL2 Antibody (internal region, near C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

NELL2 Antibody (internal region, near C-Term) - 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 Antibody (internal region, near C-Term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NELL2 Antibody (internal region, near C-Term) - Images

NELL2 Antibody (internal region, near C-Term) - Background

This antibody is expected to recognize all reported isoforms (NP_001138579.1; NP_006150.1; NP_001138581.1; NP_001138582.1). Reported variants represent identical protein: NP_001138580.1, NP_006150.1.

NELL2 Antibody (internal region, near C-Term) - References

Comparison of an expanded ataxia interactome with patient medical records reveals a relationship between macular degeneration and ataxia. Kahle JJ, Gulbahce N, Shaw CA, Lim J, Hill DE, Barabási AL, Zoghbi HY. Hum Mol Genet. 2011 Feb 1;20(3):510-27. PMID: 21078624