

C4orf31 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5812a**Specification**

C4orf31 Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	Q8TB73
Other Accession	NP_078850.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	80-109

C4orf31 Antibody (N-term) - Additional Information**Gene ID** 79625**Other Names**

Protein NDNF, Neuron-derived neurotrophic factor, NDNF, C4orf31

Target/Specificity

This C4orf31 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 80-109 amino acids of human C4orf31.

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

C4orf31 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

C4orf31 Antibody (N-term) - Protein Information**Name** NDNF**Synonyms** C4orf31

Function Secretory protein that plays a role in various cellular processes (PubMed:[20969804](#), PubMed:[24706764](#), PubMed:[31883645](#)). Acts as a chemorepellent acting on gonadotropin-releasing hormone (GnRH) expressing neurons regulating their migration to the hypothalamus (PubMed:[31883645](#)). Also promotes neuron migration, growth and survival as well as neurite outgrowth and is involved in the development of the olfactory system (PubMed:[20969804](#), PubMed:[31883645](#)). May also act through the regulation of growth factors activity and downstream signaling (PubMed:[31883645](#)). Also regulates extracellular matrix assembly and cell adhesiveness (By similarity). Promotes endothelial cell survival, vessel formation and plays an important role in the process of revascularization through NOS3-dependent mechanisms (PubMed:[24706764](#)).

Cellular Location

Secreted

Tissue Location

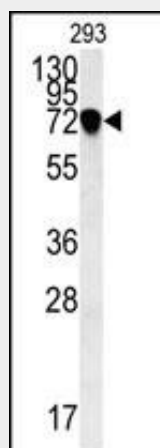
Expressed in neurons along the gonadotropin- releasing hormone (GnRH) expressing neurons migratory route

C4orf31 Antibody (N-term) - Protocols

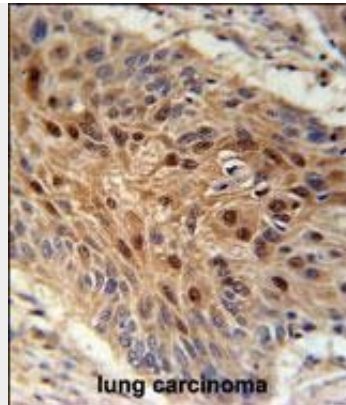
Provided below are standard protocols that you may find useful for product applications.

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

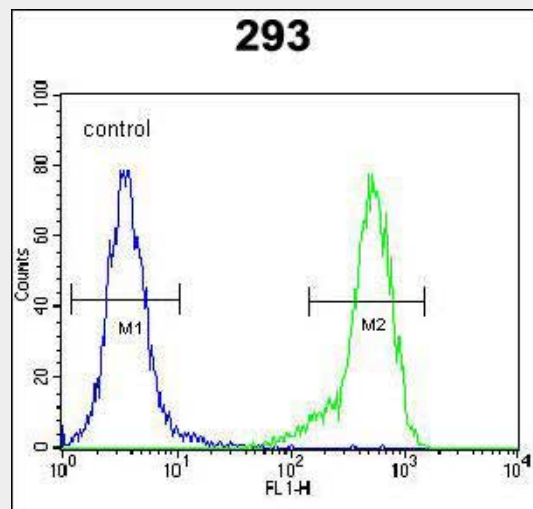
C4orf31 Antibody (N-term) - Images



C4orf31 Antibody (N-term) (Cat. #AP5812a) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the C4orf31 antibody detected the C4orf31 protein (arrow).



C4orf31 Antibody (N-term) (Cat. #AP5812a) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the C4orf31 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



C4orf31 Antibody (N-term) (Cat. #AP5812a) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

C4orf31 Antibody (N-term) - Background

Promotes matrix assembly and cell adhesiveness (By similarity).

C4orf31 Antibody (N-term) - References

Uttine, G.E., et al. Genet. Couns. 17(2):205-209(2006) Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)

C4orf31 Antibody (N-term) - Citations

- [Neuron-derived neurotrophic factor functions as a novel modulator that enhances endothelial cell function and revascularization processes.](#)