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NT2NL Rabbit pAb

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Catalog # AP57543

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q7Z3S9
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25835
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NT2NL
Epitope Specificity	171-236/236
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted. Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	388677
Other Names	Notch homolog 2 N-terminal-like protein A, Notch homolog 2 N-terminal-like protein, NT2NA
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

Protein Information

Name	NT2NA
Function	Human-specific protein that promotes neural progenitor proliferation and evolutionary expansion of the brain neocortex by regulating the Notch signaling pathway (PubMed:29561261, PubMed:29856954, PubMed:29856955). Able to promote neural progenitor self-renewal, possibly by down-regulating neuronal differentiation genes, thereby delaying the differentiation of neuronal progenitors and leading to an overall final increase

	in neuronal production (PubMed:29856954). Acts by enhancing the Notch signaling pathway via two different mechanisms that probably work in parallel to reach the same effect (PubMed:29856954). Enhances Notch signaling pathway in a non-cell-autonomous manner via direct interaction with NOTCH2 (PubMed:29856954). Also promotes Notch signaling pathway in a cell- autonomous manner through inhibition of cis DLL1-NOTCH2 interactions, which promotes neuronal differentiation (By similarity).
Cellular Location	Secreted. Cytoplasm
Tissue Location	Widely expressed with higher levels in leukocytes and lymph nodes (PubMed:14673143). Expressed in radial glia neural stem cells during cortical development (PubMed:29856954)

Background

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