

# Product Datasheet

## FoxP2 Antibody NB100-55411

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-55411**

FoxP2 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

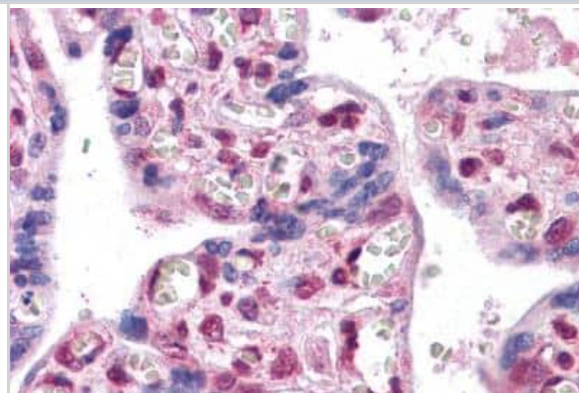
Product Description	
Host	Goat
Gene ID	93986
Gene Symbol	FOXP2
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in the scientific literature (PMID: 23821603). Use in Rat reported in scientific literature (PMID:18239190).
Specificity/Sensitivity	This antibody is expected to recognize isoform I (NP_055306.1), isoform II (NP_683696.2), isoform IV (NP_683698.2) and isoform V (NP_001166237.1).
Immunogen	Peptide with sequence C-DEVEYQKRRSQKIT corresponding to internal region according to NP_055306.1, NP_683696.2, NP_683697.2, NP_683698.2, NP_001166237.1.

Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Peptide ELISA, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Immunohistochemistry 2.5 ug/mL, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Paraffin 2.5 ug/mL, Immunohistochemistry-Frozen 2.5 ug/mL, Peptide ELISA Detection limit 1:64000, Chromatin Immunoprecipitation (ChIP)
Application Notes	Use in Chromatin Immunoprecipitation reported in scientific literature (PMID:18239190).ICC/IF, IHC-Fr reported in (PMID: 23821603).



## Images

Immunohistochemistry-Paraffin: FoxP2 Antibody [NB100-55411] - Staining of paraffin embedded Human Placenta. Antibody at 2.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: FoxP2 Antibody [NB100-55411] - Human prostate. Antibody at 2.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Ramirez M, Badayeva Y, Yeung J et al. Temporal analysis of enhancers during mouse cerebellar development reveals dynamic and novel regulatory functions eLife 2022-08-09 [PMID: 35942939] (IHC-Fr, Mouse)

Details:

C57BL/6 ?J mice, used at 1:2000 dilution

Stam FJ, Hendricks TJ, Zhang J et al. Renshaw cell interneuron specialization is controlled by a temporally restricted transcription factor program. Development 2011-11-24 [PMID: 22115757] (IHC-Fr, Mouse)

Zhou B, Zhong Q, Minoo P et al. Foxp2 Inhibits Nkx2.1-Mediated Transcription of SP-C via Interactions with the Nkx2.1 Homeodomain. Am J Respir Cell Mol Biol 2008-06-01 [PMID: 18239190] (Chemotaxis, Rat)

Prasad T, Wang X, Gray PA et al. A differential developmental pattern of spinal interneuron apoptosis during synaptogenesis: insights from genetic analyses of the protocadherin- $\gamma$  gene cluster. Development 2008-12-01 [PMID: 19029045] (IHC-Fr, Mouse)

Clayton KK, Williamson RS, Hancock KE et al. Auditory Corticothalamic Neurons Are Recruited by Motor Preparatory Inputs Curr Biol 2020-10-28 [PMID: 33157020] (Mouse)

Clayton K, Williamson R, Watanabe Y et al. Motor corollary discharge activates layer six circuits in the auditory cortex bioRxiv 2020-05-31

Lai CS, Fisher SE, Hurst JA et al. A forkhead-domain gene is mutated in a severe speech and language disorder. Nature 2001-10-04 [PMID: 11586359]

Duque A, Gazula VR, Kaczmarek LK. Expression of Kv1.3 potassium channels regulates density of cortical interneurons. Dev Neurobiol 2013-07-02 [PMID: 23821603] (ICC/IF, IHC-Fr, Mouse)



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### **Products Related to NB100-55411**

NB820-59180	Human Brain Cerebellum Whole Tissue Lysate (Adult Whole Normal)
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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