

FOXP2 Polyclonal Antibody

Catalog NumberPA5-25656

Product data sheet

Details		Species Reactivity	
Size	400 µL	Published species	Not Applicable
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	1:1,000
Type	Antibody	Immunocytochemistry (ICC/IF)	1:10-1:50
Immunogen	KLH conjugated synthetic peptide between 657-684 amino acids from the C-terminal region of human FOXP2	Published Applications	
Conjugate	Unconjugated	Immunocytochemistry (ICC/IF)	See 1 publications below
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	Lot-specific		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with rat based on sequence homology.

Background/Target Information

FOXP2 is a member of the forkhead/winged-helix (FOX) family of transcription factors. It is expressed in fetal and adult brain as well as in several other organs such as the lung and gut. The protein product contains a FOX DNA-binding domain and a large polyglutamine tract and is an evolutionarily conserved transcription factor, which may bind directly to approximately 300 to 400 gene promoters in the human genome to regulate the expression of a variety of genes. This gene is required for proper development of speech and language regions of the brain during embryogenesis, and may be involved in a variety of biological pathways and cascades that may ultimately influence language development. Mutations in this gene cause speech-language disorder 1 (SPCH1), also known as autosomal dominant speech and language disorder with orofacial dyspraxia. Multiple alternative transcripts encoding different isoforms have been identified in this gene.

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PubMed References For FOXP2 Polyclonal Antibody

1 Immunocytochemistry References

Species / Dilution	Summary
Not Applicable / Not Cited	Published figure using FOXP2 polyclonal antibody (Product # PA5-25656) in Immunocytochemistry
	Stem cell research ( 2015; 15: 731)
	<b>"Rapid generation of sub-type, region-specific neurons and neural networks from human pluripotent stem cell-derived neurospheres."</b> Author(s):Begum AN,Guoynes C,Cho J,Hao J,Lutfy K,Hong Y PubMed Article URL: <a href="http://dx.doi.org/10.1016/j.scr.2015.10.014">http://dx.doi.org/10.1016/j.scr.2015.10.014</a>

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