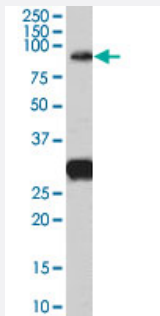


FOXP2 polyclonal antibody

Catalog # PAB7158

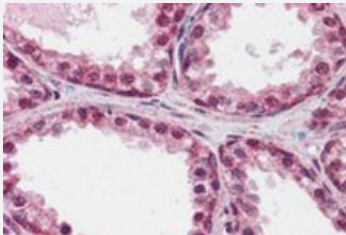
Size 100 ug

Applications



Western Blot (Tissue lysate)

FOXP2 polyclonal antibody (Cat # PAB7158) (0.3 ug/mL) staining of human brain (cerebellum) lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

FOXP2 polyclonal antibody (Cat # PAB7158)(2.5 ug/mL) staining of paraffin embedded human prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of FOXP2.
Immunogen	A synthetic peptide corresponding to internal region of human FOXP2.
Sequence	C-DEVEYQKRRSQKIT
Host	Goat
Theoretical MW (kDa)	82.6
Reactivity	Human, Rat

Specificity	This antibody is expected to recognize isoform I (NP_055306.1), isoform II (NP_683696.1) and isoform III (NP_683697.1 and NP_683698.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:64000) Western Blot (0.3-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

FOXP2 polyclonal antibody (Cat # PAB7158) (0.3 ug/mL) staining of human brain (cerebellum) lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — FOXP2

Entrez GeneID	93986
Protein Accession#	NP_055306.1;NP_683696.2;NP_683697.2;NP_683698.2;NP_001166237.1
Gene Name	FOXP2
Gene Alias	CAGH44, DKFZp686H1726, SPCH1, TNRC10
Gene Description	forkhead box P2

Omim ID [602081 605317](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes an evolutionarily conserved transcription factor expressed in fetal and adult brain. This transcription factor is a member of the forkhead/winged-helix (FOX) family of transcription factors, and contains a FOX DNA-binding domain and a large polyglutamine tract. Members of the FOX family of transcription factors are regulators of embryogenesis. The product of this gene is thought to be required for proper development of speech and language regions of the brain during embryogenesis. Although a point mutation in this gene has been associated with the KE pedigree segregating developmental verbal dyspraxia, no association between mutations in this gene and another speech disorder, autism, has been found. Multiple alternative transcripts encoding different isoforms have been identified. [provided by RefSeq]

Other Designations

CAG repeat protein 44|OTTHUMP00000067772|forkhead/winged-helix transcription factor|speech and language disorder 1|trinucleotide repeat containing 10

Publication Reference

- [A forkhead-domain gene is mutated in a severe speech and language disorder.](#)

Lai CS, Fisher SE, Hurst JA, Vargha-Khadem F, Monaco AP.

Nature 2001 Oct; 413(6855):519.

Disease

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- [Attention Deficit Disorder with Hyperactivity](#)
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