

**FOXP2 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI10103****Specification**

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**FOXP2 antibody - N-terminal region - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">O15409</a>
Other Accession	<a href="#">O15409-5</a> , <a href="#">NP_055306</a> , <a href="#">NM_014491</a>
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Horse
Predicted Host	Human, Mouse, Rat, Pig, Horse
Clonality	Rabbit
Calculated MW	Polyclonal 80 kDa KDa

**FOXP2 antibody - N-terminal region - Additional Information****Gene ID** 93986**Alias Symbol** **SPCH1, CAGH44, TNRC10****Other Names**

Forkhead box protein P2, CAG repeat protein 44, Trinucleotide repeat-containing gene 10 protein, FOXP2, CAGH44, TNRC10

**Target/Specificity**

FOXP2 is 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. Four alternative transcripts encoding three different isoforms have been identified.

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-FOXP2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

FOXP2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**FOXP2 antibody - N-terminal region - Protein Information**

**Name** FOXP2

**Synonyms** CAGH44, TNRC10

**Function**

Transcriptional repressor that may play a role in the specification and differentiation of lung epithelium. May also play a role in developing neural, gastrointestinal and cardiovascular tissues. Can act with CTBP1 to synergistically repress transcription but CTPBP1 is not essential. Plays a role in synapse formation by regulating SRPX2 levels. Involved in neural mechanisms mediating the development of speech and language.

**Cellular Location**

Nucleus.

**Tissue Location**

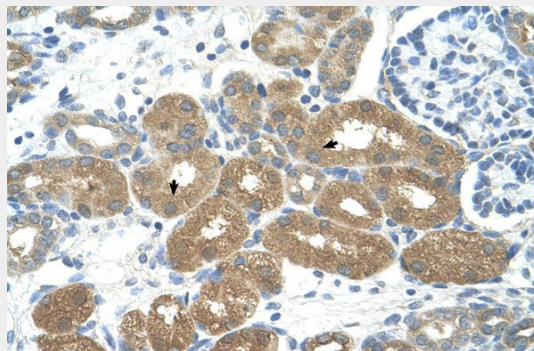
Isoform 1 and isoform 6 are expressed in adult and fetal brain, caudate nucleus and lung.

**FOXP2 antibody - N-terminal region - Protocols**

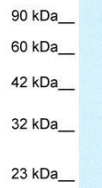
Provided below are standard protocols that you may find useful for product applications.

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

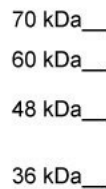
**FOXP2 antibody - N-terminal region - Images**



FOXP2 antibody - N-terminal region (AI10103) in Human Kidney cells using Immunohistochemistry  
Rabbit Anti-FOXP2 Antibody  
Paraffin Embedded Tissue: Human Kidney  
Cellular Data: Epithelial cells of renal tubule  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X



FOXP2 antibody - N-terminal region (AI10103) in Human HepG2 cells using Western Blot  
WB Suggested Antibody Titration: 0.2-1  $\mu\text{g/ml}$   
Positive Control: HepG2



FOXP2 antibody - N-terminal region (AI10103) in Human HepG2 cells using Western Blot  
WB Suggested Anti-FOXP2 Antibody Titration: 0.5 $\mu\text{g/ml}$   
Positive Control: HepG2 cell lysate

### **FOXP2 antibody - N-terminal region - Background**

This is a rabbit polyclonal antibody against FOXP2. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ([sales@abgent.com](mailto:sales@abgent.com)).