10320 Camino Santa Fe, Suite G
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FOXP2 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10103

Specification

FOXP2 antibody - N-terminal region - Product Information

Application	**IHC, WB**
Primary Accession	O15409
Other Accession	O15409-5, NP_055306, NM_014491
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Goat, Dog, Horse**
Predicted	**Human, Mouse, Rat, Pig, Horse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**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

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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.

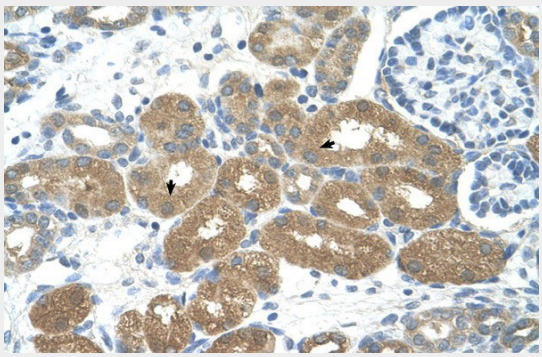
Tissue Location
Isoform 1 and isoform 6 are expressed in adult and fetal brain, caudate nucleus and lung.

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 Cytomety
- 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

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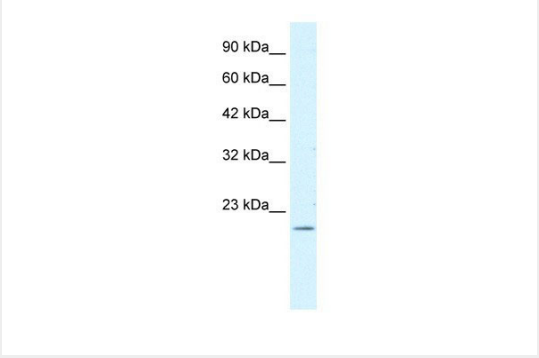
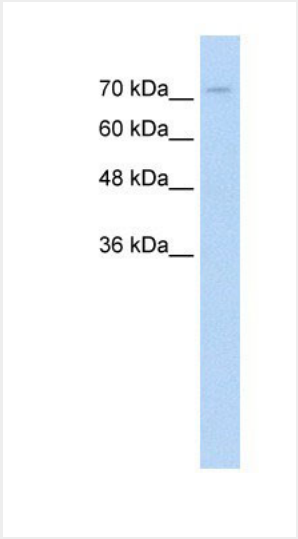


FOXP2 antibody - N-terminal region (AI10103) in Human HepG2 cells using Western Blot
WB Suggested Antibody Titration: 0.2-1 µg/ml
Positive Control: HepG2



FOXP2 antibody - N-terminal region (AI10103) in Human HepG2 cells using Western Blot
WB Suggested Anti-FOXP2 Antibody Titration: 0.5µg/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).