

## Rabbit FOXP2 Polyclonal Antibody | anti-FOXP2 antibody

FOXP2 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA327152 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

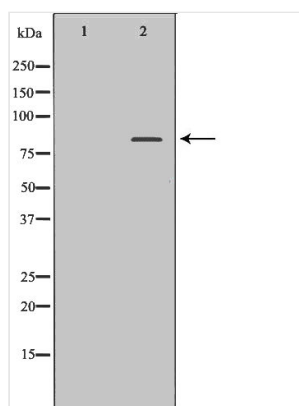
### PRODUCT SYNONYMS

FOXP2; Polyclonal Antibody; FOXP2 Antibody; CAG repeat protein 44; CAGH44; DKFZp686H1726; Forkhead box P2; Forkhead box protein P2; forkhead/winged-helix transcription factor; FOX P2; FOXP2\_HUMAN; HGNC11222; HGNC11956; SPCH 1; SPCH1; TNRC 10; TNRC10; trinucleotide repeat containing 10; Trinucleotide repeat containing gene 10 protein; Trinucleotide repeat-containing gene 10 protein; anti-FOXP2 antibody

### PRODUCT SPECIFICATIONS

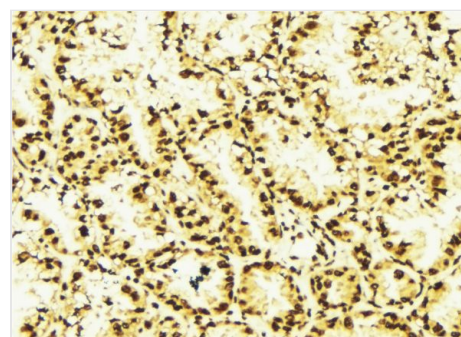
|                                                 |                                                                                                          |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                   |
| Reactivity                                      | Human, Mouse, Rat                                                                                        |
| Clonality                                       | Polyclonal                                                                                               |
| Isotype                                         | IgG                                                                                                      |
| Specificity                                     | FOXP2 Antibody detects endogenous levels of total FOXP2.                                                 |
| Purity/Purification                             | Peptide affinity purification                                                                            |
| Form/Format                                     | IgG in phosphate buffered saline , pH 7.4, 150mMNaCl, 0.02% sodium azide and 50% glycerol                |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                   |
| Applicable Applications for anti-FOXP2 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                     |
| Immunogen                                       | A synthesized peptide derived from human FOXP2, corresponding to a region within C-terminal amino acids. |
| Preparation and Storage                         | Store at -20°C. Stable for 12 months from date of receipt.                                               |

### IMAGES



#### WB (Western Blot)

Western blot analysis of Hepg2 whole cell lysates, using FOXP2 Antibody. The lane on the left is treated with the antigen-specific peptide.



#### IHC (Immunohistochemistry)

AAA327152 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

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|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-FOXP2 antibody</b> | <p>This gene encodes a member of the forkhead/winged-helix(FOX) family of transcription factors. It is expressed in fetaland 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.</p> |
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|----------------------------------|-------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 289666732                                                                                       |
| NCBI GeneID                      | 93986                                                                                           |
| NCBI Accession #                 | NP_001166237.1                                                                                  |
| NCBI GenBank Nucleotide #        | NM_001172766.2                                                                                  |
| UniProt Accession #              | O15409; Q6ZND1; Q75MJ3; Q8IZE0; Q8N0W2; Q8N6B7; Q8N6B8; Q8NFAQ1; A0AUV6; A4D0U8; A6NNW4; B4DLD9 |
| Molecular Weight                 | 79kDa                                                                                           |
| NCBI Official Full Name          | forkhead box protein P2 isoform V                                                               |
| NCBI Official Synonym Full Names | forkhead box P2                                                                                 |
| NCBI Official Symbol             | FOXP2                                                                                           |
| NCBI Official Synonym Symbols    | SPCH1; CAGH44; TNRC10                                                                           |
| NCBI Protein Information         | forkhead box protein P2                                                                         |
| UniProt Protein Name             | Forkhead box protein P2                                                                         |
| UniProt Gene Name                | <b>FOXP2</b>                                                                                    |
| UniProt Synonym Gene Names       | CAGH44; TNRC10                                                                                  |

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