

Rabbit FOXP2 Polyclonal Antibody | anti-FOXP2 antibody

FOXP2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285926	Rabbit	Human, mouse (Predicted Reactivity: Rat)	Immunofluorescence, ELISA, Western Blot

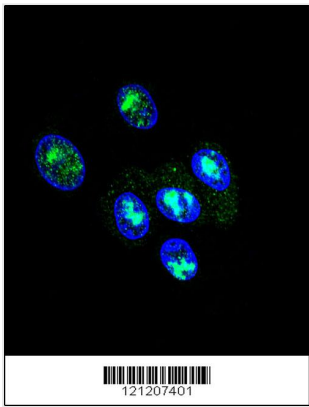
PRODUCT SYNONYMS

FOXP2; Polyclonal Antibody; FOXP2 Antibody (C-term); Forkhead box protein P2; CAG repeat protein 44; Trinucleotide repeat-containing gene 10 protein; CAGH44; TNRC10; anti-FOXP2 antibody

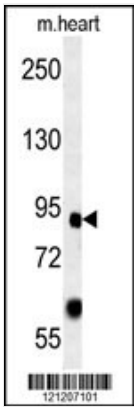
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This FOXP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 657-684 amino acids from the C-terminal region of human FOXP2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	657-684
Sequence Length	714
Applicable Applications for anti-FOXP2 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of FOXP2 Antibody (C-term) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
FOXP2 Antibody (C-term) western blot analysis in mouse heart tissue lysates (15ug/lane). This demonstrates the FOXP2 antibody detected FOXP2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-FOXP2 antibody	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.
References	Lai, C.S., et al. Nature 413(6855):519-523(2001) Lai, C.S., et al. Am. J. Hum. Genet. 67(2):357-368(2000) Margolis, R.L., et al. Hum. Genet. 100(1):114-122(1997) Hurst, J.A., et al. Dev Med Child Neurol 32(4):352-355(1990)

NCBI AND UNIPROT INFORMATION

NCBI GI #	289666732
NCBI GeneID	93986
NCBI Accession #	NP_001166237.1; NP_001166238.1; NP_055306.1; NP_683696.2; NP_683697.2; NP_683698.2
NCBI GenBank Nucleotide #	NM_001172766.2
UniProt Accession #	O15409; Q6ZND1; Q75MJ3; Q8IZE0; Q8N0W2; Q8N6B7; Q8N6B8; Q8NFAQ1; A0AUV6; A4D0U8; A6NNW4; B4DLD9
Molecular Weight	79919
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	FOXP2
UniProt Synonym Gene Names	CAGH44; TNRC10

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/foxp2-antibody-immunofluorescence-western-blot-elisa/285926>