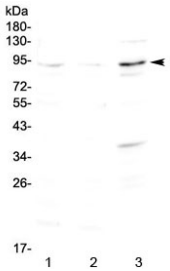
FOXP2 Antibody (R32895)

Catalog No.	Formulation	Size
R32895	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	O15409
Applications	Western Blot : 0.5-1ug/ml
Limitations	This FOXP2 antibody is available for research use only.



Western blot testing of 1) rat brain, 2) mouse brain and 3) human SK-OV-3 lysate with FOXP2 antibody at 0.5ug/ml. Predicted molecular weight ~80 kDa.

Description

Forkhead box protein P2 (FOXP2) is a protein that, in humans, is encoded by the FOXP2 gene. This gene encodes 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.

Application Notes

Optimal dilution of the FOXP2 antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids L637-E715 was used as the immunogen for the FOXP2 antibody.

Storage

After reconstitution, the FOXP2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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