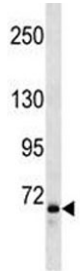
Anti-FOXP2 Antibody [clone 533CT26.1.2] (F53693)

Catalog No.	Formulation	Size
F53693-0.1ML	In ascites with 0.09% sodium azide	0.1 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Ascites
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgM
Clone Name	533CT26.1.2
Purity	Ascites
UniProt	O15409
Applications	Western Blot : 1:100-1:1600
Limitations	This anti-FOXP2 antibody is available for research use only.



Anti-FOXP2 antibody western blot analysis in 293 lysate. Predicted molecular weight: ~80 kDa.

Description

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. Multiple alternative transcripts encoding different isoforms have been identified in this gene.

Application Notes

Titration of the anti-FOXP2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 657-684 from the human protein was used as the immunogen for this anti-FOXP2 antibody.

Storage

Aliquot the anti-FOXP2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.