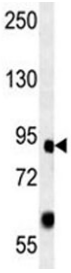
FOXP2 Antibody (F49315)

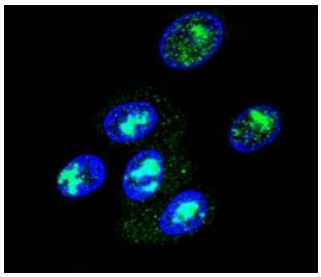
Catalog No.	Formulation	Size
F49315-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49315-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O15409
Applications	Western Blot : 1:1000 Immunofluorescence : 1:10-1:50
Limitations	This FOXP2 antibody is available for research use only.



FOXP2 antibody western blot analysis in mouse heart lysate. Predicted molecular weight: ~80 kDa.



Confocal immunofluorescent analysis of FOXP2 antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).

Description

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.

Application Notes

Titration of the 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 FOXP2 antibody.

Storage

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