

Datasheet for ABIN5531193
anti-FOXP2 antibody (C-Term)



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2 Images

Overview

Quantity:	400 µL
Target:	FOXP2
Binding Specificity:	AA 657-684, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	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.
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	FOXP2
Alternative Name:	FOXP2 (FOXP2 Products)
Background:	<p>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.</p> <p>The protein product contains a FOX DNA-binding domain and a large polyglutamine tract and is</p>

Target Details

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.

Molecular Weight: 80 kDa

Gene ID: 93986

UniProt: [O15409](#)

Application Details

Application Notes: For WB starting dilution is: 1:1000

For IF starting dilution is: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

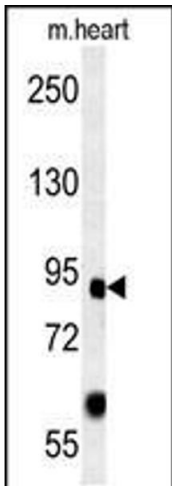
Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

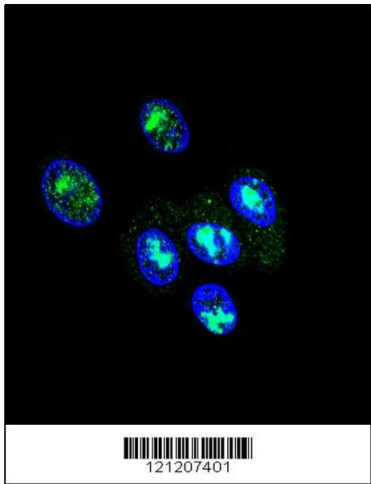
Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



Western Blotting

Image 1. Western blot analysis in mouse heart tissue lysates (15ug/lane).This demonstrates the detected FOXP2 protein (arrow).



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of FOXP2 Antibody with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).