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Datasheet for ABIN2778104

anti-FOXP2 antibody (N-Term)





Overview

Quantity:	100 μL
Target:	FOXP2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Pig, Rabbit, Horse, Zebrafish (Danio rerio), Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human FOXP2
Sequence:	SGLKSPKSSD KQRPLQVPVS VAMMTPQVIT PQQMQQILQQ QVLSPQQLQA
Specificity:	Isoform 4 and 5
Predicted Reactivity:	Dog: 100%, Goat: 100%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 82%
Characteristics:	This is a rabbit polyclonal antibody against FOXP2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

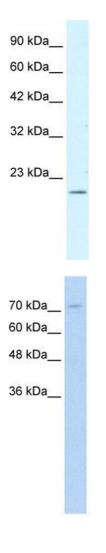
Target Details

Target:	FOXP2
Alternative Name:	FOXP2 (FOXP2 Products)
Background:	FOXP2 is an evolutionarily conserved transcription factor expressed in fetal and adult brain.
	This transcription factor is a member of the forkhead/winged-helix (FOX) family of transcription
	factors, and contains a FOX DNA-binding domain and a large polyglutamine tract. Members of
	the FOX family of transcription factors are regulators of embryogenesis. The product of this
	gene is thought to be required for proper development of speech and language regions of the
	brain during embryogenesis. Although a point mutation in this gene has been associated with
	the KE pedigree segregating developmental verbal dyspraxia, no association between
	mutations in this gene and another speech disorder, autism, has been found. Four alternative
	transcripts encoding three different isoforms have been identified.
	Alias Symbols: SPCH1, CAGH44, TNRC10
	Protein Interaction Partner: FAM124A, TSACC, RPIA, SP4, SDCBP, PIN1, CTBP2, CTBP1, CCNC,
	AES, MAPK3, HSP90AA1, GATAD2B, FOXP1, FOXP4, FOXP2,
	Protein Size: 715
Molecular Weight:	80 kDa
Gene ID:	93986
NCBI Accession:	NM_014491, NP_055306
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 715 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

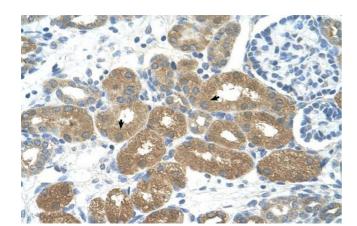


Western Blotting

Image 1. WB Suggested Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2

Western Blotting

Image 2. WB Suggested Anti-FOXP2 Antibody Titration:0.5ug/ml Positive Control: HepG2 cell lysate



Immunohistochemistry

Image 3.

Please check the product details page for more images. Overall 4 images are available for ABIN2778104.