

Datasheet for ABIN6140762
anti-FOXP2 antibody (AA 441-740)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	FOXP2
Binding Specificity:	AA 441-740
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXP2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 441-740 of human FOXP2 (NP_683696.2).
Sequence:	PKPSPKPLNL VSSVTMSKNM LETSPQSLPQ TPTTPTAPVT PITQGPSVIT PASVPNVGAI RRRHSDKYNI PMSSEIAPNY EFYKNADVPR PFTYATLIRQ AIMESSDRQL TLNEIYSWFT RTFAYFRRNA ATWKNVVRHN LSLHKCFVRV ENVKGAVWTV DEVEYQKRRS QKITGSPTLV KNIPTSLGYG AALNASLQAA LAESSLPLLS NPGLINNASS GLLQAVHEDL NGSLDHIDSN GNSSPGCSPQ PHIHSIHVKE EPVIAEDED C PMSLVTTANH SPELEDDREI EEEPLSEDL E
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	FOXP2
Alternative Name:	FOXP2 (FOXP2 Products)
Background:	<p>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.,FOXP2,CAGH44,SPCH1,TNRC10,Epigenetics & Nuclear Signaling,Transcription Factors,FOXP2</p>
Molecular Weight:	9-18 kDa/40- 48 kDa/70- 82 kDa
Gene ID:	93986
UniProt:	O15409

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

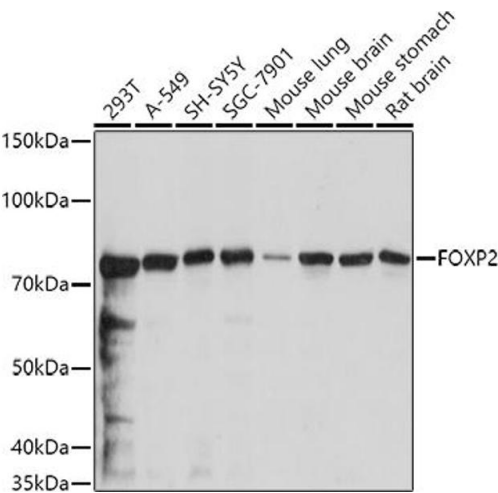
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C

Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using FOXP2 antibody (ABIN6127914, ABIN6140762, ABIN6140763 and ABIN6221330) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.