

## Product datasheet for **AM06680SU-N**

### FOXP2 Mouse Monoclonal Antibody [Clone ID: 5C11A2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	5C11A2
Applications:	ELISA, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>ELISA:</b> 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human MAPK3 expressed in E. Coli.
Specificity:	This antibody reacts to FOXP2.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	85 kDa
Gene Name:	forkhead box P2
Database Link:	<a href="#">Entrez Gene 93986 Human</a> <a href="#">O15409</a>



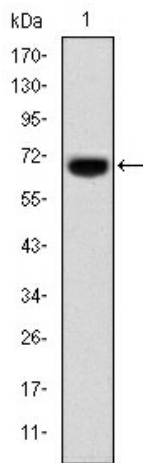
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**Background:**

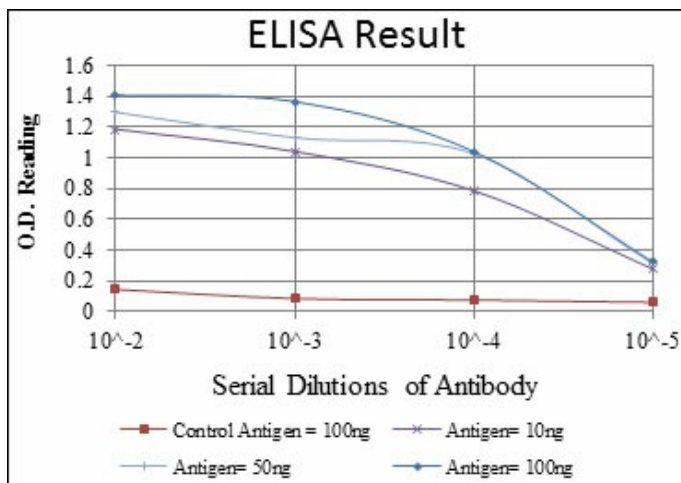
This gene encodes a member of the forkhead/winged-helix (FOX) family of transcription factors. It is expressed in fetal and adult brain as well as in several other organs such as the lung and gut. The protein product contains a FOX DNA-binding domain and a large polyglutamine tract and is an evolutionarily 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.

**Synonyms:**

Forkhead box protein P2, CAGH44, TNRC10

**Product images:**


Western blot analysis using FOXP2 mAb against human FOXP2 (AA: 47-287) recombinant protein. (Expected MW is 52.8 kDa)



Red: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)