

**FOXP2 monoclonal antibody**

Catalog: MB66719

Host: Mouse

Reactivity: Human

**BackGround:**

Forkhead box (Fox) proteins are a family of evolutionarily conserved transcription factors containing a sequence known as Forkhead box or winged helix DNA binding domain. The human genome contains 43 Fox proteins that are divided into subfamilies. The FoxP subfamily has four members, FoxP1 - FoxP4, which are broadly expressed and play important roles in organ development, immune response and cancer pathogenesis. The FoxP subfamily has several characteristics that are atypical among Fox proteins: their Forkhead domain is located at the carboxy-terminal region and they contain motifs that promote homo- and heterodimerization. FoxP proteins usually function as transcriptional repressors. FoxP2 regulates lung and nerve system development. Mutations, including point mutation, truncation, deletion, and chromosomal translocation, involving FoxP2 are associated with an inherited form of speech and language disorder.

**Product:**

Mouse IgM. Supplied in crude ascites with 0.01% sodium azide.

**Molecular Weight:**

~ 72 kDa

**Swiss-Prot:**

O15409

**Purification&Purity:****Applications:**

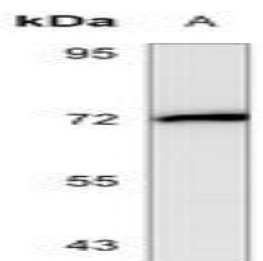
WB (1/500 - 1/1000)

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

Recognizes endogenous levels of FOXP2 protein.

**DATA:**

Western blot analysis of FOXP2 expression in 293 (A) whole cell lysates.

**Note:**

For research use only, not for use in diagnostic procedure.

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