

## DATASHEET

# FOXP2 Mouse Monoclonal Antibody(C2706)

CAT. NO. AMA02318

### KEY FEATURES

|               |  |               |              |
|---------------|--|---------------|--------------|
| Target        | FOXP2  | Source / Host | Mouse        |
| Reactivity    | Human  | Clonality     | Monoclonal   |
| Applications  | WB, FC   | Conjugation   | Unconjugated |
| Form / Buffer | Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. | Storage       | at-20°C      |

### BACKGROUND

Transcriptional repressor that may play a role in the specification and differentiation of lung epithelium. May also play a role in developing neural, gastrointestinal and cardiovascular tissues. Can act with CTBP1 to synergistically repress transcription but CTPBP1 is not essential. Plays a role in synapse formation by regulating SRPX2 levels. Involved in neural mechanisms mediating the development of speech and language.

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

|    |                |
|----|----------------|
| WB | 1:500 - 1:1000 |
| FC | 1:100 - 1:200  |

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

|                   |   |
|-------------------|---|
| Description       | Mouse monoclonal to FOXP2   |
| Specificity       | Recognizes endogenous levels of FOXP2 protein   |
| Antibody Type     | Primary antibody  |
| Immunogen         | Recombinant fusion protein of human FOXP2 expressed in E. Coli  |
| Purification      | This antibody is purified through a protein G column.   |
| Molecular Weight  | Predicted: 80 kD; Observed: 80 kD   |
| Form/Buffer       | Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.  |
| Alternative Names | CAGH44; TNRC10; Forkhead box protein P2; CAG repeat protein 44; Trinucleotide repeat-containing gene 10 protein |
| Gene Symbol       | FOXP2   |
| Entrez Gene       | 93986(Human)  |
| SwissProt         | O15409(Human)   |

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

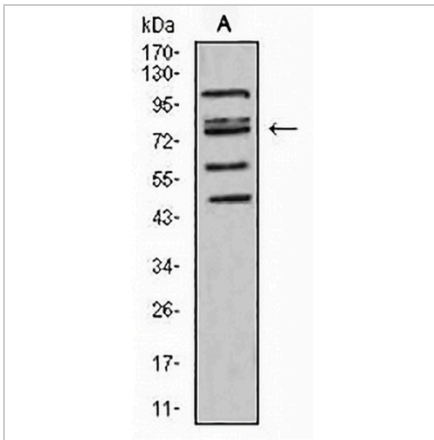
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

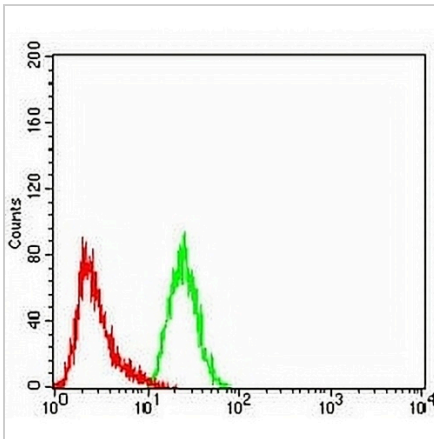
**FOXP2 Mouse Monoclonal Antibody(C2706)**

CAT. NO. AMA02318

**DATA**



Western blot analysis of FOXP2 expression in HepG2 (A) whole cell lysates. (Predicted band size: 80 kD; Observed band size: 80 kD)



Flow cytometric analysis of HeLa cells using Anti-FOXP2 Antibody (green) and negative control (red).

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.