

DATASHEET

FBL10 Mouse Monoclonal Antibody(C2793)

CAT. NO. AMA02405

KEY FEATURES

| | | | |
|---------------|---------------------------------------------------------------------------|---------------|--------------|
| Target | FBL10 | Source / Host | Mouse |
| Reactivity | Human | Clonality | Monoclonal |
| Applications | WB, FC | Conjugation | Unconjugated |
| Form / Buffer | Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. | Storage | at-20°C |

BACKGROUND

Histone demethylase that demethylates 'Lys-4' and 'Lys-36' of histone H3, thereby playing a central role in histone code . Preferentially demethylates trimethylated H3 'Lys-4' and dimethylated H3 'Lys-36' residue while it has weak or no activity for mono- and tri-methylated H3 'Lys-36' . Preferentially binds the transcribed region of ribosomal RNA and represses the transcription of ribosomal RNA genes which inhibits cell growth and proliferation . May also serve as a substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex (Probable).

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 FBL10 |
| Specificity | Recognizes endogenous levels of FBL10 protein |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human FBL10 expressed in E. Coli |
| Purification | This antibody is purified through a protein G column. |
| Molecular Weight | Predicted: 153 kD; Observed: 140 kD kD |
| Form/Buffer | Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | CXXC2; FBL10; FBXL10; JHDM1B; PCCX2; Lysine-specific, demethylase 2B; CXXC-type zinc finger protein 2; F-box and leucine-riC,h repeat protein 10; F-box protein FBL10; F-box/LRR-repeat protein 10; JmjC domain-containing histone demethylation protein 1B; Jumonji domain-containing EMSY-interactor methyltransferase motif protein; Protein JEMMA; Protein-containing CXXC domain 2; [Histone-H3]-lysine-36 demethylase 1B |
| Gene Symbol | KDM2B |
| Entrez Gene | 84678(Human) |
| SwissProt | Q8NHM5(Human) |

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

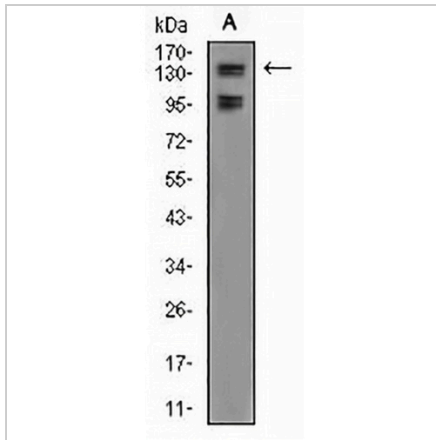
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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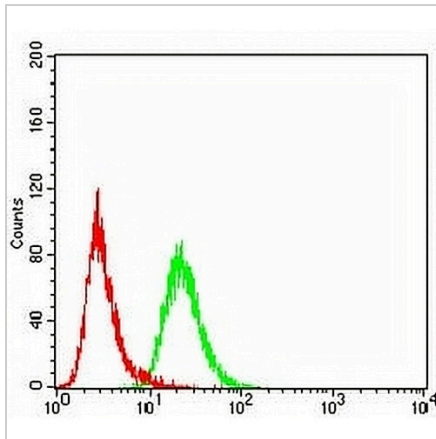
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DATA



Western blot analysis of FBL10 expression in A549 (A) whole cell lysates. (Predicted band size: 153 kD; Observed band size: 140 kD)



Flow cytometric analysis of HeLa cells using Anti-FBL10 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.