**Product Name: JARID2 Mouse Monoclonal Antibody**
**Catalog #: AMM81617**
For research use only.

## Summary

| | |
|---|---|
| **Description** | Mouse monoclonal Antibody |
| **Host** | Mouse |
| **Application** | ICC,ELISA,FC |
| **Reactivity** | Human |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | Mouse IgG2a |
| **Clonality** | Monoclonal |
| **Form** | Liquid |
| **Concentration** | 1mg/ml |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | Purified antibody in PBS with 0.05% sodium azide |
| **Purification** | Affinity Purification |

## Application

| | |
|---|---|
| **Dilution Ratio** | ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400 |
| **Molecular Weight** | 139kDa |

## Antigen Information

| | |
|---|---|
| **Gene Name** | JARID2 |
| **Alternative Names** | JMJ |
| **Gene ID** | 3720.0 |
| **SwissProt ID** | Q92833 |
| **Immunogen** | Purified recombinant fragment of human JARID2 (AA: 1097-1246) expressed in E. Coli. |

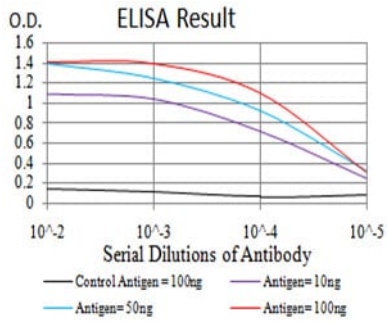
## Background

This gene encodes a Jumonji- and AT-rich interaction domain (ARID)-domain-containing protein. The encoded protein is a DNA-binding protein that functions as a transcriptional repressor. This protein interacts with the Polycomb repressive complex 2 (PRC2) which plays an essential role in regulating gene expression during embryonic development. This protein facilitates the

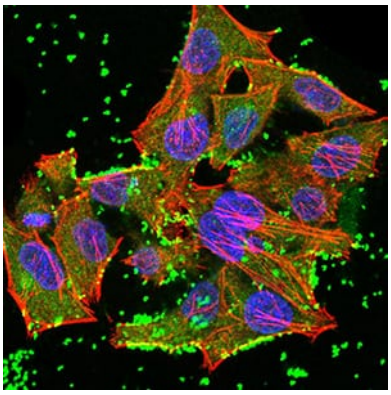
recruitment of the PRC2 complex to target genes. Alternate splicing results in multiple transcript variants. Mutations in this gene are associated with chronic myeloid malignancies.

## Research Area

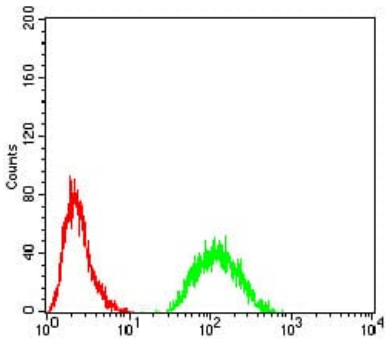
## Image Data




Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Immunofluorescence analysis of Hela cells using JARID2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.




Flow cytometric analysis of Hela cells using JARID2 mouse mAb (green) and negative control (red).