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**Product Name:** KD-Validated Polyamine Modulated Factor 1 Recombinant Rabbit Monoclonal Antibody

**Catalog #:** KVAb00960

For research use only.

## Summary

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| <b>Description</b>  | KO&KD-Validated antibody                                                    |
| <b>Host</b>         | Rabbit                                                                      |
| <b>Application</b>  | WB,FCM,ICC                                                                  |
| <b>Reactivity</b>   | Human,Mouse,Rat                                                             |
| <b>Conjugation</b>  | Unconjugated                                                                |
| <b>Modification</b> | Unmodified                                                                  |
| <b>Isotype</b>      | Rabbit IgG                                                                  |
| <b>Clonality</b>    | Rabbit mAb                                                                  |
| <b>Form</b>         | Liquid                                                                      |
| <b>Storage</b>      | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>     | Ice bags                                                                    |
| <b>Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Purification</b> | Affinity purification                                                       |

## Application

|                         |                                                         |
|-------------------------|---------------------------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000 |
| <b>Molecular Weight</b> | Calculated MW: 23.3kDa                                  |

## Antigen Information

|                          |                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | PMF1                                                                                            |
| <b>Alternative Names</b> | Polyamine Modulated Factor 1; Polyamine-Modulated Factor 1; Est1p-Like Protein B (EST1B); PMF-1 |
| <b>Gene ID</b>           | 11243.0                                                                                         |
| <b>SwissProt ID</b>      | Q6P1K2                                                                                          |
| <b>Immunogen</b>         | A synthesized peptide derived from human PMF1                                                   |

## Background

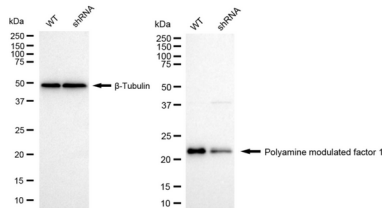
Enables leucine zipper domain binding activity and transcription coactivator activity. Involved in chromosome segregation. Located in Golgi apparatus; kinetochore; and nucleoplasm. Part of MIS12/MIND type complex. Implicated in bladder carcinoma

and urinary bladder cancer. [provided by Alliance of Genome Resources, Jul 2025]

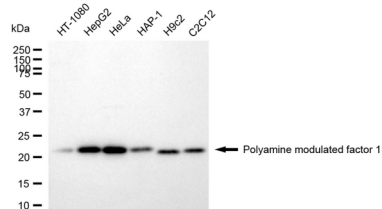
## Research Area

Cell Biology, Epigenetics and Nuclear Signaling

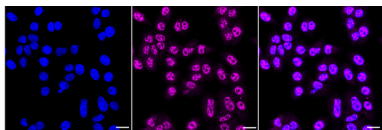
## Image Data



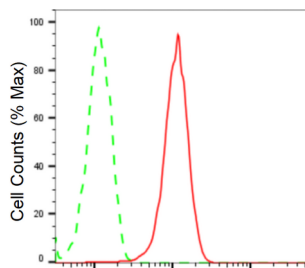
Western blotting analysis using Polyamine modulated factor 1 antibody (KVA00960). Polyamine modulated factor 1 expression in wild type (WT) and Polyamine modulated factor 1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Polyamine modulated factor 1 antibody (KVA00960, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using Polyamine modulated factor 1 antibody (KVA00960). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Polyamine modulated factor 1 antibody (KVA00960, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Polyamine modulated factor 1 antibody (KVA00960, 1:1,000). Nuclei were stained blue with DAPI; Polyamine modulated factor 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Polyamine modulated factor 1-Alexa Fluor® 647

Flow cytometric analysis of Polyamine modulated factor 1 expression in HepG2 cells using Polyamine modulated factor 1 antibody (KVA00960, 1:2,000). Green, isotype control; red, Polyamine modulated factor 1.