

For Research Use Only

# PRAME Monoclonal antibody

Catalog Number: 68097-1-Ig **Featured Product**



## Basic Information

**Catalog Number:**

68097-1-Ig

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG1906

**GenBank Accession Number:**

BC014074

**GeneID (NCBI):**

23532

**UNIPROT ID:**

P78395

**Full Name:**

preferentially expressed antigen in melanoma

**Calculated MW:**

509 aa, 58 kDa

**Observed MW:**

50 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1E9G9

**Recommended Dilutions:**

WB 1:5000-1:50000

IF 1:400-1:1600

## Applications

**Tested Applications:**

IF/ICC, WB, ELISA

**Species Specificity:**

Human, mouse, rat

**Positive Controls:**

WB: A549 cells, HeLa cells, A375 cells, mouse testis tissue, K-562 cells, U2OS cells

IF: HaCaT cells,

## Background Information

The PRAME (preferentially expressed antigen of melanoma) gene was previously shown to be overexpressed in ovarian/primary peritoneal serous carcinoma compared with malignant mesothelioma using gene expression arrays. It is considered a melanocyte differentiation antigen which is overexpressed in both solid and hematologic tumors. In normal tissue, a very low level of PRAME expression is found in normal testis, adrenals, ovary and endometrium. A high level of PRAME expression has been reported for several solid tumors, including ovarian cancer, breast cancer, lung cancer and melanomas, medulloblastoma, sarcomas, head and neck cancers, neuroblastoma, renal cancer, and Wilms'tumor. As a nuclear transcriptional repressor protein, PRAME binds to retinoic acid receptor  $\alpha$ , thereby inhibiting retinoic acid induced differentiation, growth arrest, and apoptosis.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

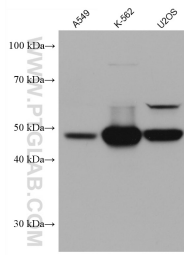
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

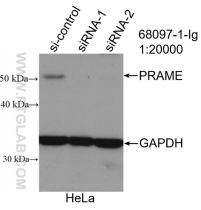
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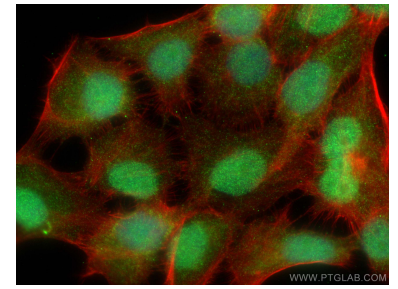
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68097-1-Ig (PRAME antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of PRAME antibody (68097-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PRAME transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed HaCaT cells using PRAME antibody (68097-1-Ig, Clone: 1E9G9) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).