For Research Use Only

PRAME Monoclonal antibody

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

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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/ICC 1:400-1:1600

Applications

Tested Applications:
WB, IF/ICC, ELISA

Cited Applications:
IHC

Species Specificity:
Human, mouse, rat

Cited Species:
human

Positive Controls:

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

IF/ICC : 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 a, thereby inhibiting retinoic acid induced differentiation, growth arrest, and apoptosis.

Notable Publications

Author	Pubmed ID	Journal	Application
Hirokuni Honma	39522081	Brain Tumor Pathol	IHC

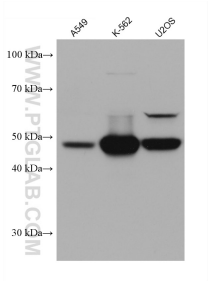
Storage

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

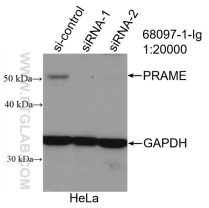
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

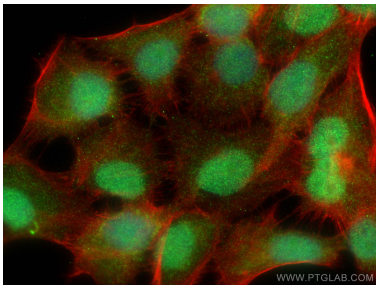
Selected Validation Data



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 Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).