

### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

# EB09534 - Goat Anti-PRMT5 Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

Principal Names: PRMT5, protein arginine methyltransferase 5, HRMT1L5, IBP72, JBP1,

SKB1, SKB1Hs, HMT1 hnRNP methyltransferase-like 5, SKB1 homolog

Official Symbol: PRMT5

Accession Number(s): NP\_006100.2; NP\_001034708.1; NP\_001269882.1;

NP\_001269883.1; NP\_001269884.1; NP\_001269885.1

Human GeneID(s): 10419

Non-Human GenelD(s): 27374 (mouse), 364382 (rat)

Important Comments: This antibody is expected to recognize both isoforms

(NP\_006100.2; NP\_001034708.1).

## **Immunogen**

Peptide with sequence RACREKDRDPEAQ, from the internal region of the protein sequence according to NP\_006100.2; NP\_001034708.1; NP\_001269882.1; NP\_001269883.1; NP\_001269884.1; NP\_001269885.1.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:16000.

**Western blot:** Preliminary testing showed a band at approx. 70kDa in A431 and HepG2 nuclear cell lysate after 1-2ug/ml antibody staining. (calculated MW of 72.7kDa according to NP\_006100.2). Primary incubation 1 hour at room temperature

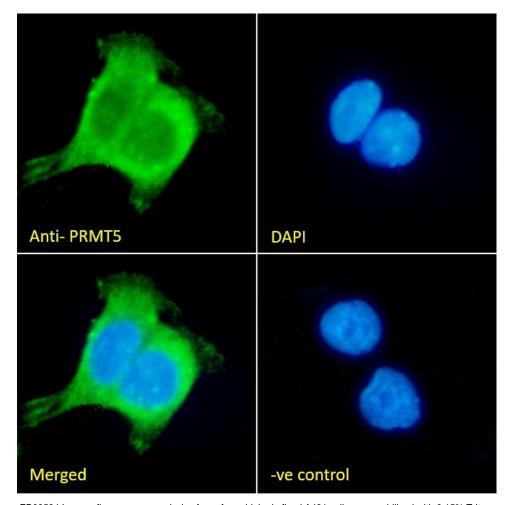
**Immunofluorescence:** Strong expression of the protein seen in A431 and U2OS cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

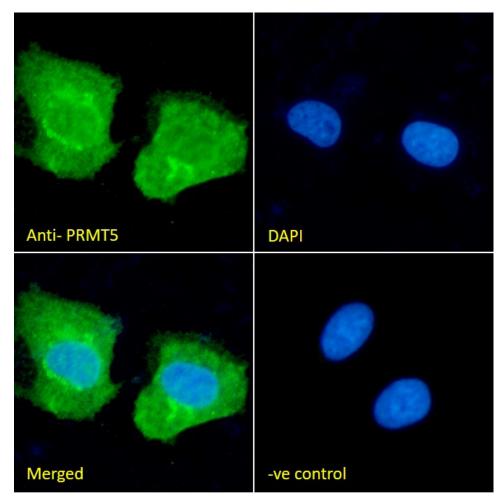
## **Species Reactivity**

Tested: Human

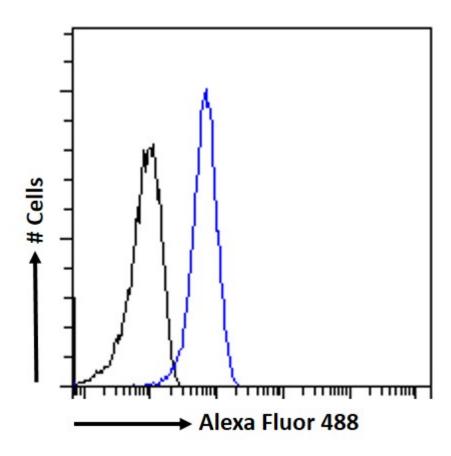
Expected from sequence similarity: Human, Mouse, Rat, Cow



EB09534 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09534 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing Golgi, cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09534 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.