

## UK Office

### Everest Biotech Ltd

Cherwell Innovation Centre  
77 Heyford Park  
Upper Heyford  
Oxfordshire  
OX25 5HD  
UK

Enquiries:

[info@everestbiotech.com](mailto:info@everestbiotech.com)

Sales:

[sales@everestbiotech.com](mailto:sales@everestbiotech.com)

Tech support:

[support@everestbiotech.com](mailto:support@everestbiotech.com)

Tel: +44 (0)1869 238326

[www.everestbiotech.com](http://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 GeneID(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

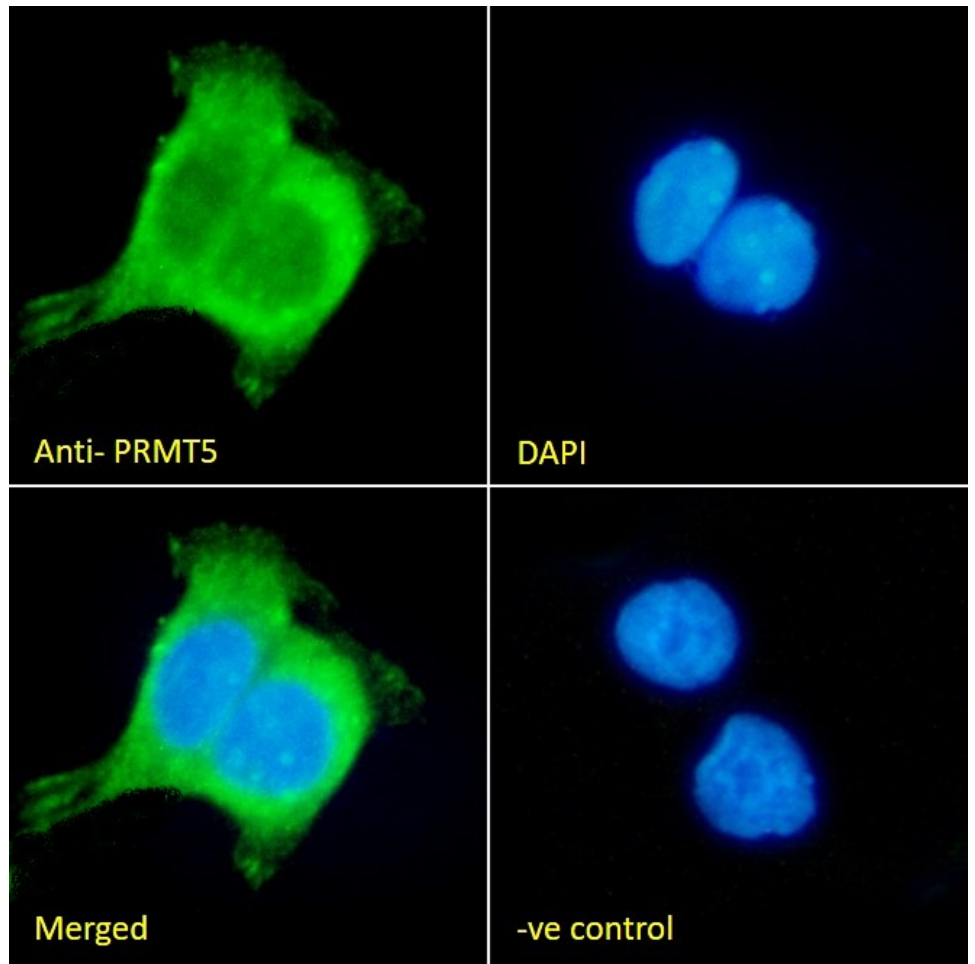
**Immunofluorescence:** Strong expression of the protein seen in A431 and U2OS cells. Recommended concentration: 10µg/ml.

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

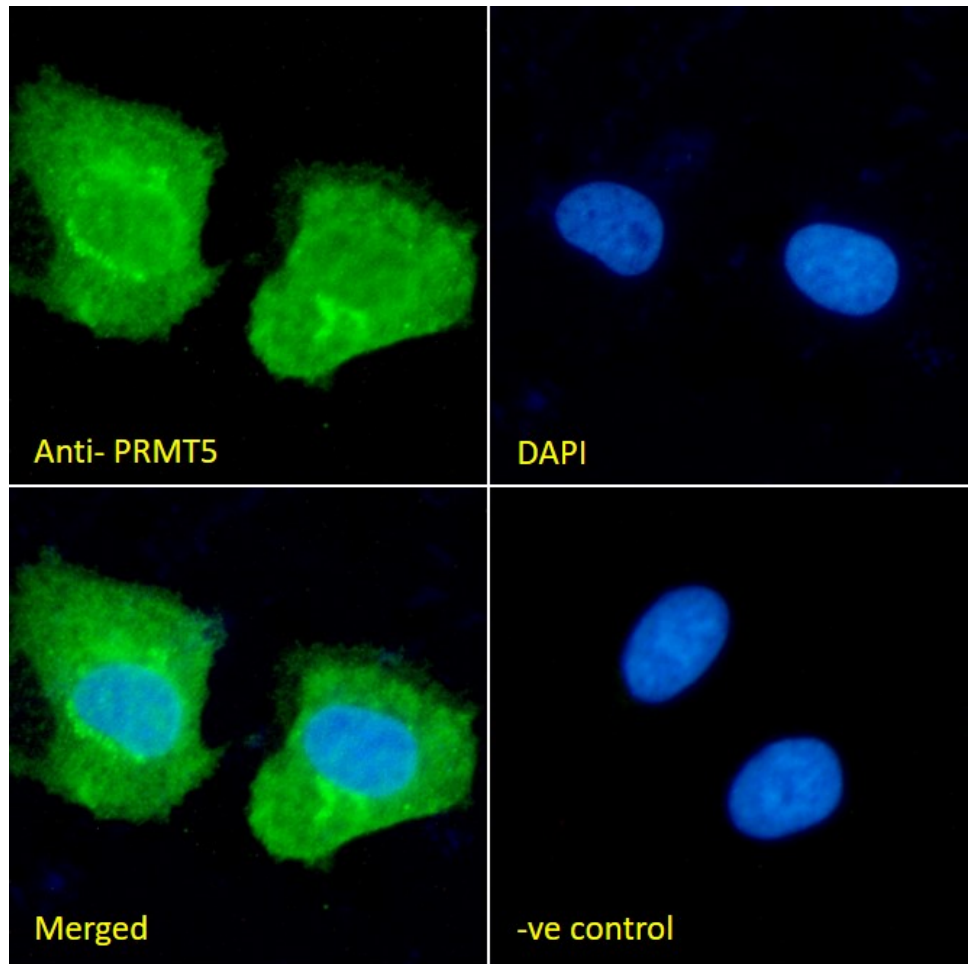
### Species Reactivity

**Tested:** Human

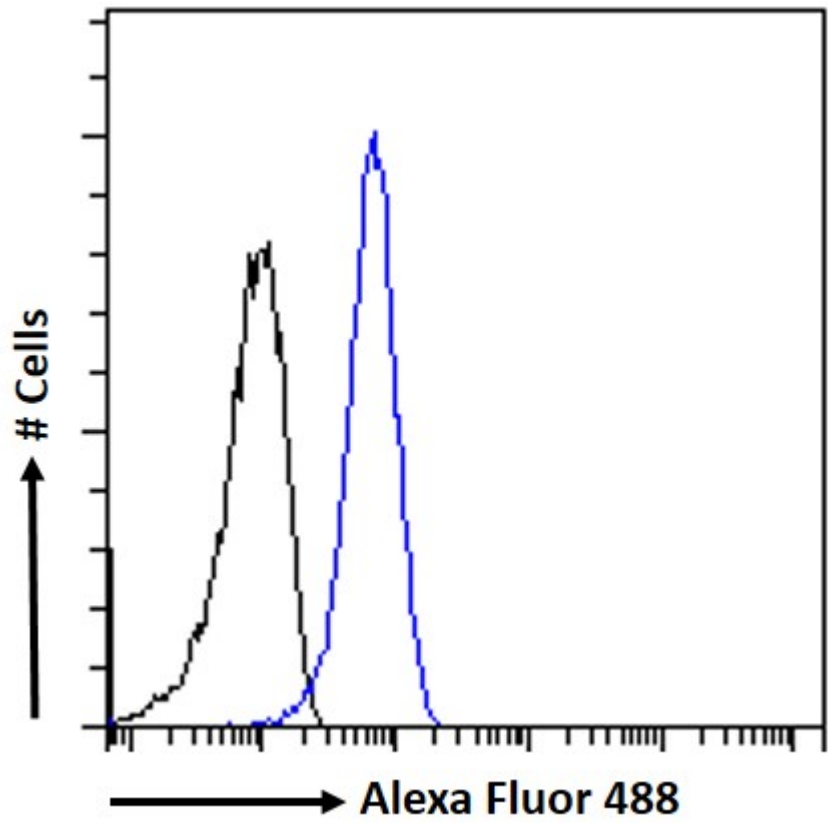
**Expected from sequence similarity:** Human, Mouse, Rat, Cow



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.