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**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

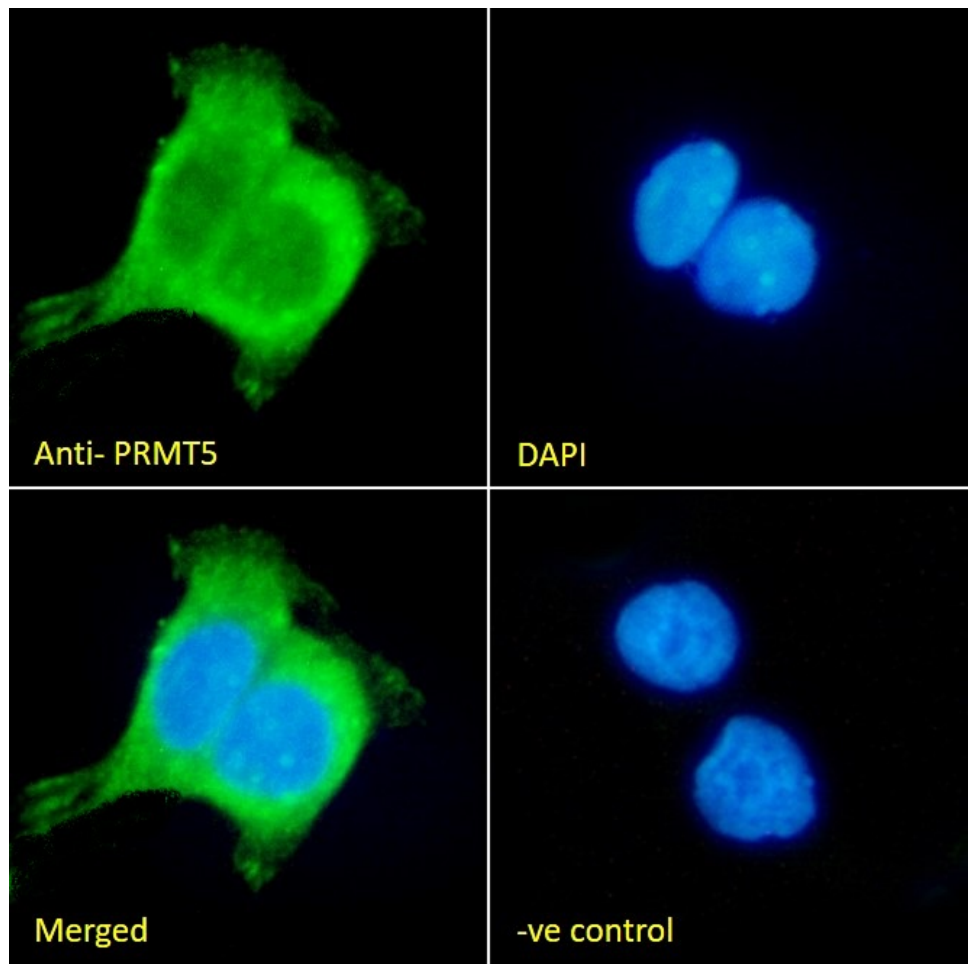
Immunofluorescence: Strong expression of the protein seen in A431 and U2OS cells. Recommended concentration: 10µg/ml.

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

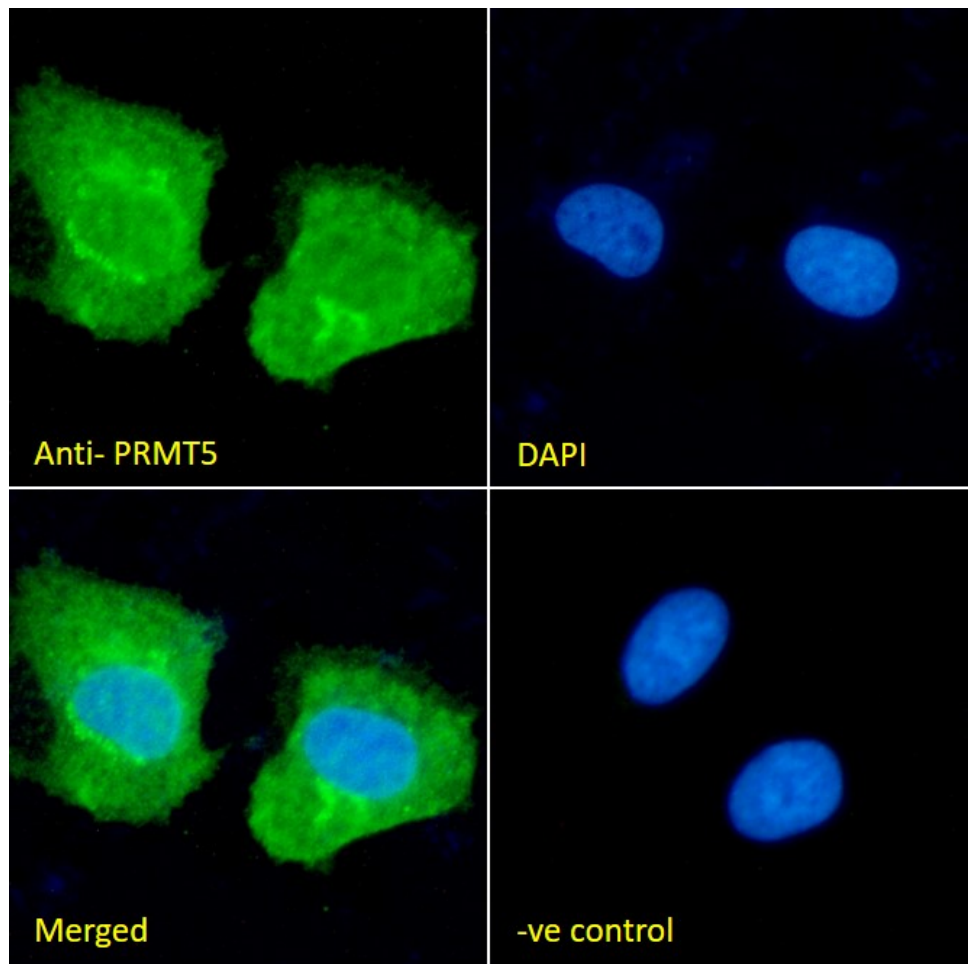
Species Reactivity

Tested: Human

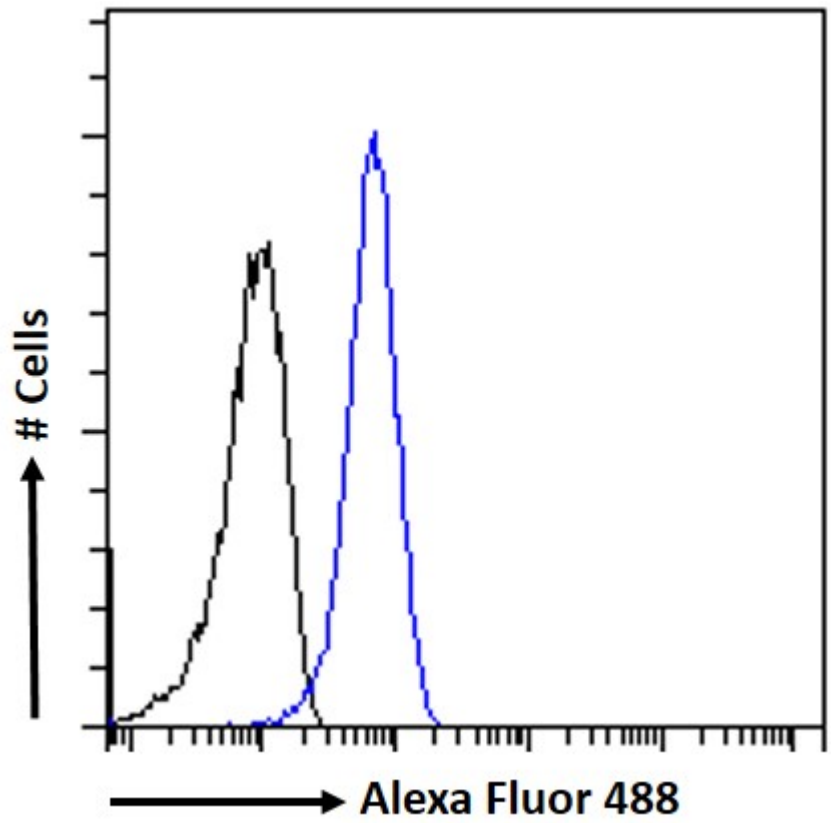
Expected from sequence similarity: Human, Mouse, Rat, Cow



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.