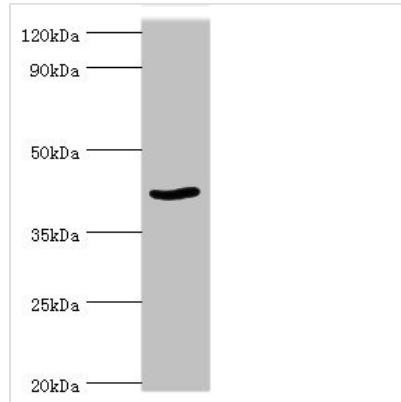




# PRMT1 Antibody

<b>Product Code</b>	CSB-PA859113ESR2HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q99873
<b>Immunogen</b>	Recombinant Human Protein arginine N-methyltransferase 1 protein (20-353AA)
<b>Raised In</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200
<b>Relevance</b>	<p>Arginine methyltransferase that methylates (mono and asymmetric dimethylation) the guanidino nitrogens of arginyl residues present in proteins such as ESR1, histone H2, H3 and H4, PIAS1, HNRNPA1, HNRNPD, NFATC2IP, SUPT5H, TAF15 and EWS. Constitutes the main enzyme that mediates monomethylation and asymmetric dimethylation of histone H4 Arg-4 (H4R3me1 and H4R3me2a, respectively), a specific tag for epigenetic transcriptional activation. Together with dimethylated PIAS1, represses STAT1 transcriptional activity, in the late phase of interferon gamma (IFN-gamma) signaling. May be involved in the regulation of TAF15 transcriptional activity, act as an activator of estrogen receptor (ER)-mediated transactivation, play a key role in neurite outgrowth and act as a negative regulator of megakaryocytic differentiation, by modulating p38 MAPK pathway. Methylates FOXO1 and retains it in the nucleus increasing its transcriptional activity.</p>
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Purification Method</b>	Antigen Affinity Purified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Alias</b>	Protein arginine N-methyltransferase 1 (EC 2.1.1.319) (Histone-arginine N-methyltransferase PRMT1) (Interferon receptor 1-bound protein 4), PRMT1, HMT2 HRMT1L2 IR1B4
<b>Species</b>	Human
<b>Research Area</b>	Cell Biology
<b>Target Names</b>	PRMT1
<b>Image</b>	

**Western blot**

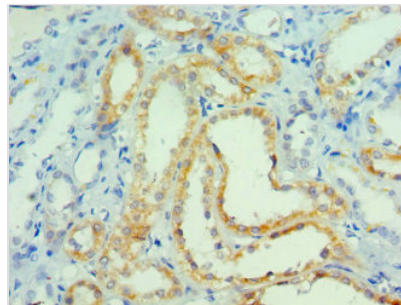
All lanes: Protein arginine N-methyltransferase 1 antibody at 2 $\mu$ g/ml + NIH/3T3 whole cell lysate

Secondary

Goat polyclonal to rabbit IgG at 1/10000 dilution

Predicted band size: 42, 40, 41 kDa

Observed band size: 42 kDa



Immunohistochemistry of paraffin-embedded human kidney tissue using CSB-PA859113ESR2HU at dilution of 1:100