

**bs-6528R****[ Primary Antibody ]****EZH1 Rabbit pAb**

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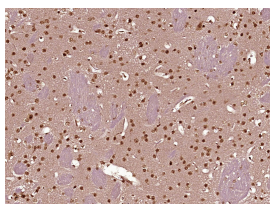
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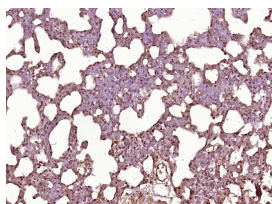
400-901-9800

**— DATASHEET —**

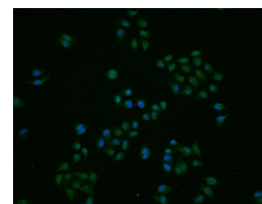
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Flow-Cyt</b> (2ug/Test) <b>ICC/IF</b> (1:25)  <b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Chicken, Dog, GuineaPig)  <b>Predicted MW.:</b> 85 kDa  <b>Subcellular Location:</b> Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 2145	<b>SWISS:</b> Q92800	
<b>Target:</b> EZH1		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human EZH1: 471-510/747.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> Polycomb group (PcG) protein. Catalytic subunit of the PRC2/EED-EZH1 complex, which methylates 'Lys-27' of histone H3, leading to transcriptional repression of the affected target gene. Able to mono-, di- and trimethylate 'Lys-27' of histone H3 to form H3K27me1, H3K27me2 and H3K27me3, respectively. Required for embryonic stem cell derivation and self-renewal, suggesting that it is involved in safeguarding embryonic stem cell identity. Compared to EZH1-containing complexes, it is less abundant in embryonic stem cells, has weak methyltransferase activity and plays a less critical role in forming H3K27me3, which is required for embryonic stem cell identity and proper differentiation. Sequence similarities Belongs to the histone-lysine methyltransferase family. EZ subfamily. Contains 1 SET domain.		

**— VALIDATION IMAGES —**

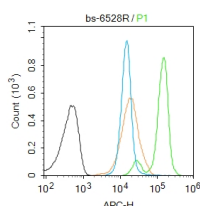
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EZH1) Polyclonal Antibody, Unconjugated (bs-6528R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EZH1) Polyclonal Antibody, Unconjugated (bs-6528R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (EZH1) polyclonal Antibody, Unconjugated (bs-6528R) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control: Molt4. Primary Antibody (green)

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

line): Rabbit Anti-EZH1 antibody (bs-6528R)  
Dilution: 2µg /10<sup>6</sup> cells; Isotype Control  
Antibody (orange line): Rabbit IgG . Secondary  
Antibody : Goat anti-rabbit IgG-APC Dilution: 1µg  
/test. Protocol The cells were fixed with 4% PFA  
(10min at room temperature)and then  
permeabilized with 90% ice-cold methanol for  
20 min at -20°C. The cells were then incubated in  
5%BSA to block non-specific protein-protein  
interactions for 30 min at room temperature  
.Cells stained with Primary Antibody for 30 min  
at room temperature. The secondary antibody  
used for 40 min at room temperature.  
Acquisition of 20,000 events was performed.