### bs-6528R

## [ Primary Antibody ]

# Bioss

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# **EZH1 Rabbit pAb**

- DATASHEET -

**Host:** Rabbit **Isotype:** IgG

Clonality: Polyclonal

**GenelD:** 2145 **SWISS:** Q92800

Target: EZH1

**Immunogen:** KLH conjugated synthetic peptide derived from human EZH1:

471-510/747.

**Purification:** affinity purified by Protein A

Concentration: 1mg/ml

**Storage:** 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.

Background: 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.

**Applications: IHC-P** (1:100-500)

IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (2ug/Test)

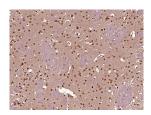
Reactivity: Human, Mouse, Rat

(predicted: Rabbit, Pig, Cow, Chicken, Dog, GuineaPig)

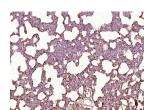
Predicted MW.: 85 kDa

Subcellular Location: Nucleus

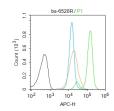
#### VALIDATION IMAGES



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.



Blank control:Molt4. Primary Antibody (green line): Rabbit Anti-EZH1 antibody (bs-6528R)
Dilution: 2µg /10^6 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.