

**SAMD7 polyclonal antibody**

Catalog: BS34206

Host: Rabbit

Reactivity: Human, Mouse

**BackGround:**

Sterile alpha motif domain-containing protein 7: Component of a Polycomb group (PcG) multiprotein PRC1-like complex, essential for establishing rod photoreceptor cell identity and function by silencing nonrod gene expression in developing rod photoreceptor cells. Via its association with the PRC1-like complex, promotes epigenetic repressive marks H3K27me3 and H2AK119ub marks in nonrod genes, silencing their transcription. Represses Crx-controlled photoreceptor-specific gene expression

**Product:**

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

**Molecular Weight:**

~49.1 kDa

**Swiss-Prot:**

Q7Z3H4

**Purification&Purity:**

The antibody was purified by immunogen affinity chromatography.

**Applications:**

WB (1/500 - 1/1000)

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

Recognizes endogenous levels of SAMD7 protein

**DATA:**

Western blot analysis of Adenosine Deaminase expression in Jurkat (A) whole cell lysates.

Immunofluorescent analysis of Adenosine Deaminase staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

**Note:**

For research use only, not for use in diagnostic procedure.

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