



# ANOGEN - A Division of YES Biotech Laboratories Ltd.

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## Rabbit Anti-Human Promyelocytic Leukemia Protein Polyclonal Antibody Datasheet

**Product Name:** pAb Rabbit anti-human promyelocytic leukemia protein (PML) [B-box 1 domain]

**Catalogue No.:** AI70002B

**Quantity:** 0.1 mg/vial

**Description:** Rabbit anti-human promyelocytic leukemia protein (PML) polyclonal antibody B-box 1 domain

**Purification:** Protein G affinity purified

**Product Type:** Primary antibody

**Target Protein:** B box1 domain in human PML protein. B box1 domain is retained in PML/RAR $\alpha$  chimera.

**Immunogen:** Recombinant partial human PML protein containing B box1 domain.

**Specificity:** This antibody recognizes normal PML proteins of lower molecular weight, and also recognizes the high molecular weight PML/RAR $\alpha$  chimeric protein in promyelocytic leukemia patients.

**Species Reactivity:** Human, others not tested

**Source:** Rabbit

**Formulation:** Lyophilized in pH 7.4, 0.01M PBS.

**Reconstitution:** Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

**Storage:** Store at -20°C

**Research Area:** Life science research, Oncology

**Background:** Acute promyelocytic leukemia (PML) is a type of acute myelogenous leukemia that is caused by the translocation of the retinoic acid receptor alpha (RAR $\alpha$ ) gene at chromosome 17 to the promyelocytic leukemia (PML) gene at chromosome 15. The chimeric protein (PML/RAR $\alpha$ ) has a higher molecular weight than normal PML protein. The altered proteins block DNA transcription and differentiation of granulocytes, reduce the production of red cells and platelets, consequently, resulting in anemia and thrombocytopenia.

**Applications:** **Western Blot:**

106kD PML/RAR $\alpha$  --->



Western blot analysis of NB4 cell lysate using 0.2  $\mu$ g/mL rabbit anti-PML polyclonal antibody (Cat. N.: AI70002B). The band shows on the blot is the 106KDa chimeric PML/RAR $\alpha$  protein.

**References:** If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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