

PRODUCT NAME		
PML polyclonal antibody		
Other names: MYL, PP8675, RNF71, TRIM19		
Cat. No. C15410108 (pAb-108-050)	Type: Polyclonal	Size: 50 µg /360 µl
Lot #: A136-0011	Source: Rabbit	Concentration: 0.14 µg/µl

Description: Polyclonal antibody raised in rabbit against human PML (Promyelocytic leukemia), using 3 different KLH-conjugated synthetic peptides.

Specificity: Human: positive
Other species: not tested

Applications	Suggested dilution	References
ELISA	1:100 – 1:200	Fig 1
Western blotting	1:750	Fig 2

Purity: Affinity purified polyclonal antibody in PBS containing 0.05% azide and 0.05% ProClin 300.

Storage: Store at -20°C; for long storage, store at -80°C. Avoid multiple freeze-thaw cycles.

Precautions: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Last data sheet update: March 4, 2010

Target description

PML (UniProtKB/Swiss-Prot entry P29590) is a transcription factor and tumor suppressor which belongs to the tripartite motif (TRIM) family. This motif contains three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. PML regulates the response of p53 to oncogenic signals. It is often involved in a chromosomal translocation between chromosomes 15 and 17 which results in a PML/RARalpha fusion protein and is associated with most cases of acute promyelocytic leukemia.

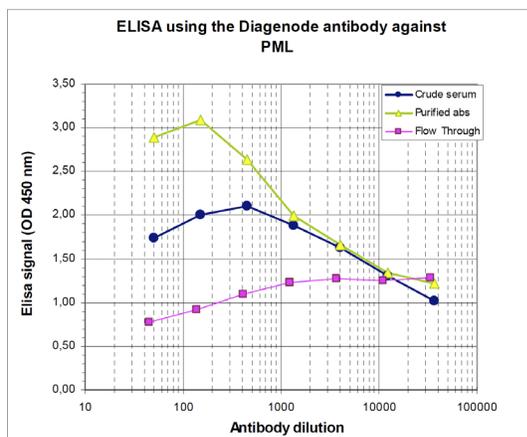


Figure 1
Determination of the antibody titer

To determine the titer of the antibody, an ELISA was performed using a serial dilution of the Diagenode antibody directed against human PML [Cat. No. pAb-108-050], crude serum and Flow Through in antigen coated wells. By plotting the absorbance against the antibody dilution (Figure 1), the titer of the antibody was estimated to be 1:6,000.

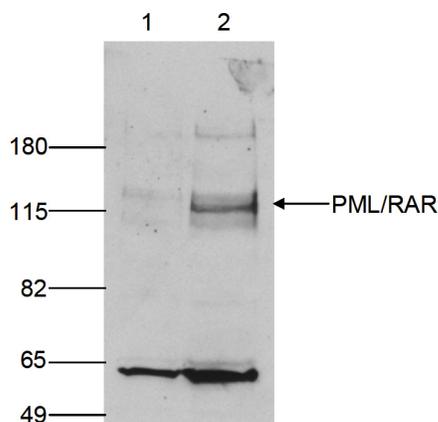


Figure 2
Western blot analysis using the Diagenode antibody directed against PML

Human embryonic kidney cells [293T] were transfected with an ER-tagged PML/RAR fusion protein. Nuclear extracts (50 µg) from control (lane 1) and from transfected cells (lane 2) were analysed by Western blot using the Diagenode antibody against PML [Cat. No. pAb-108-050]. The antibody was diluted 1:750 in TBS-Tween containing 5% milk powder. The position of the PML/RAR fusion protein is indicated on the right; the marker (in kDa) is shown on the left. The smaller band of approximately 60 kDa might represent the endogenous PML protein.