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Datasheet for 600-401-X44

PML Antibody

Overview

Description:	Anti-PML (RABBIT) Antibody - 600-401-X44
Item No.:	600-401-X44
Size:	50 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	PML 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. Anti-PML Antibody is ideal for research in Gene Expression, Cell Cycle Control and Cancer.
Synonyms:	Protein PML Promyelocytic leukemia protein, RING finger protein 71, Tripartite motif-containing protein 19, MYL, PP8675, RNF71, TRIM19
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PML
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-PML Antibody was produced in rabbits by repeated immunizations with three different synthetic peptides from human PML.

Purity/Specificity:	Anti-PML Antibody was purified by affinity purification. Cross reactivity with other species was not tested.
Relevant Links:	• UniProtKB - P29590 • GeneID - 5371 • NCBI - NP_002666.1

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-PML Antibody is tested for ELISA and Western Blots. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 115 and 60 kDa in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:100 - 1:200
WB:	1:750

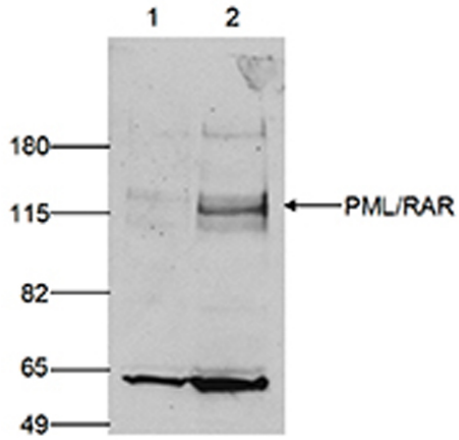
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.14 mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide and 0.05% ProClin 300
Stabilizer:	None

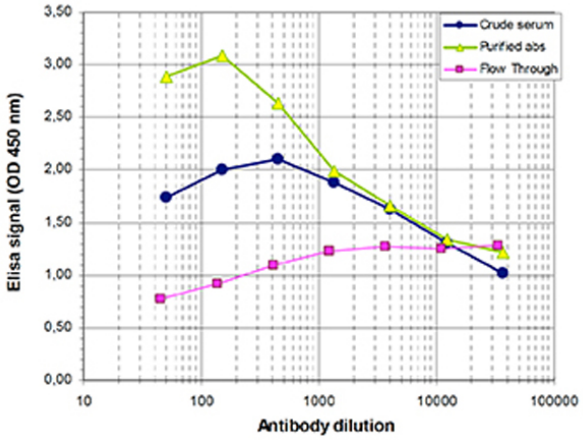
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western blot analysis using Anti-PML antibody.
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 Anti-PML. 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.



ELISA
Determination of the antibody titer of anti-PML.
To determine the titer of the antibody, an ELISA was performed using a serial dilution of human PML, crude serum, and Flow Through in antigen coated wells. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be 1:6,000.

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