



Anti-PML (aa 411-510) polyclonal antibody (DPAB-DC2284)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This phosphoprotein localizes to nuclear bodies where it functions as a transcription factor and tumor suppressor. Its expression is cell-cycle related and it regulates the p53 response to oncogenic signals. The gene is often involved in the translocation with the retinoic acid receptor alpha gene associated with acute promyelocytic leukemia (APL). Extensive alternative splicing of this gene results in several variations of the proteins central and C-terminal regions; all variants encode the same N-terminus. Alternatively spliced transcript variants encoding different isoforms have been identified.
Immunogen	PML (AAH00080, 411 a.a. ~ 510 a.a) partial recombinant protein with GST tag. The sequence is RDPIDVLDLVSNTTAQKRKCSQTQCPRKVIKMESEEGKEARLARSSPEQPRPSTSKAVS PPHLDGPPSPRSPVIGSEVFLPNSNHVASGAGEAEERVVV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PML_promyelocytic leukemia [Homo sapiens (human)]
Official Symbol	PML
Synonyms	PML; promyelocytic leukemia; MYL; RNF71; PP8675; TRIM19; protein PML; RING finger protein 71; promyelocytic leukemia protein; tripartite motif protein TRIM19; probable transcription factor PML; promyelocytic leukemia, inducer of; tripartite motif-containing protein 19;
Entrez Gene ID	5371
Protein Refseq	NP_002666
UniProt ID	P29590
Chromosome Location	15q22
Pathway	Acute myeloid leukemia; DNA damage response; Endocytosis; Immune System
Function	DNA binding; SMAD binding; SUMO binding; cobalt ion binding