MLL1 Antibody

Rabbit Polyclonal
Antigen Affinity Purified

Catalog No. A300-087A
Lot No. A300-087A-3

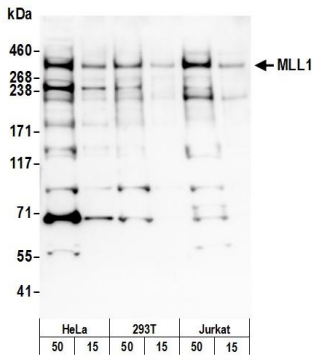
Protein ID Q03164
GeneID 4297

APPLICATIONS	WB, IP
SPECIES REACTIVITY	Human
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to MLL1 immobilized on solid support. The epitope recognized by A300-087A maps to a region between residues 1320 and 1380 of human myeloid/lymphoid or mixed-lineage leukemia 1 using the number given in Swiss-Prot entry Q03164 (GeneID 4297). The epitope is found in the N-terminal 300 kDa fragment generated by proteolytic cleavage. The epitope is not found in isoform 14P-18B of MLL1. Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.
APPLICATIONS	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

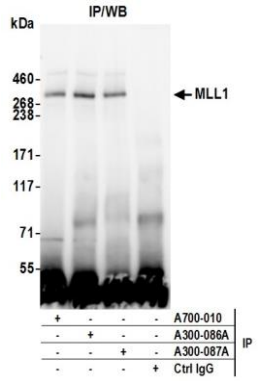
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 10 µg/mg lysate

APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 3-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 3-8% SDS-PAGE.
ADDITIONAL INFO	https://www.bethyl.com/product/A300-087A Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



Detection of human MLL1 by western blot. *Samples:* Nuclear Extract (15 and 50 µg) from HeLa, HEK293T, and Jurkat cells. *Antibody:* Affinity purified rabbit anti-MLL1 antibody A300-087A (lot A300-087A-3) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human MLL1 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-MLL1 antibody A300-087A (lot A300-087A-3) used for IP at 6 µg per reaction. MLL1 was also immunoprecipitated by rabbit anti-MLL1 recombinant monoclonal antibody [BL-175-7E8] (A700-010) and rabbit anti-MLL1 antibody A300-086A. For blotting immunoprecipitated MLL1, A700-010 was used at 1:1000. *Detection:* Chemiluminescence with an exposure time time of 3 minutes.