

Anti-Noxa Rabbit Monoclonal Antibody

Catalog # ABO13537

Product Information

Application	WB
Primary Accession	Q13794
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Noxa Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse.

Additional Information

Gene ID	5366
Other Names	Phorbol-12-myristate-13-acetate-induced protein 1, PMA-induced protein 1, Immediate-early-response protein APR, Protein Noxa, PMAIP1, NOXA
Calculated MW	6030
Application Details	WB 1:500-1:2000
Subcellular Localization	Mitochondrion.
Tissue Specificity	Highly expressed in adult T-cell leukemia cell line.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AAFB-16
Immunogen	A synthesized peptide derived from human Noxa
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	PMAIP1
Synonyms	NOXA

Function	Promotes activation of caspases and apoptosis. Promotes mitochondrial membrane changes and efflux of apoptogenic proteins from the mitochondria. Contributes to p53/TP53-dependent apoptosis after radiation exposure. Promotes proteasomal degradation of MCL1. Competes with BAK1 for binding to MCL1 and can displace BAK1 from its binding site on MCL1 (By similarity). Competes with BIM/BCL2L11 for binding to MCL1 and can displace BIM/BCL2L11 from its binding site on MCL1.
Cellular Location	Mitochondrion
Tissue Location	Highly expressed in adult T-cell leukemia cell line

Images

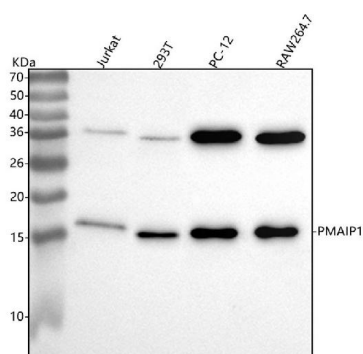


Figure 1. Western blot analysis of PMAIP1 using anti-PMAIP1 antibody (M02287).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Jurkat whole cell lysates,

Lane 2: human 293T whole cell lysates,

Lane 3: rat PC-12 whole cell lysates,

Lane 4: mouse RAW264.7 whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PMAIP1 antigen affinity purified monoclonal antibody (Catalog # M02287) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for PMAIP1 at approximately 16 kDa. The expected band size for PMAIP1 is at 6 kDa.

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