

Datasheet for ABIN6145810
anti-NOXA antibody (AA 1-54)[Go to Product page](#)

5 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | NOXA (PMAIP1) |
| Binding Specificity: | AA 1-54 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NOXA antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|--|
| Immunogen: | A synthetic peptide corresponding to a sequence within amino acids 1-54 of human PMAIP1 (NP_066950.1). |
| Sequence: | MPGKKARKNA QSPARAPAE LEVECATQLR RFGDKLNFRQ KLLNLISKLF CSGT |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |

Target Details

| | |
|-------------------|--|
| Target: | NOXA (PMAIP1) |
| Alternative Name: | PMAIP1 (PMAIP1 Products) |

Target Details

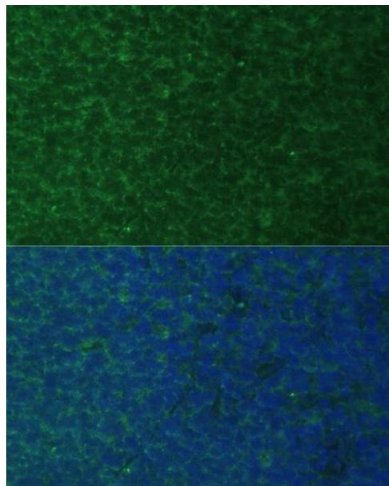
| | |
|-------------------|---|
| Background: | Promotes activation of caspases and apoptosis. Promotes mitochondrial membrane changes and efflux of apoptogenic proteins from the mitochondria. Contributes to p53/TP53-dependent apoptosis after radiation exposure. Promotes proteasomal degradation of MCL1. 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.,PMAIP1,APR,NOXA,Cancer,Invasion and Metastasis,Cell Biology & Developmental Biology,Apoptosis,Bcl 2 family,Mitochondrial Control of Apoptosis,Endocrine & Metabolism,PMAIP1 |
| Molecular Weight: | 6 kDa/14 kDa |
| Gene ID: | 5366 |
| UniProt: | Q13794 |
| Pathways: | p53 Signaling , Positive Regulation of Endopeptidase Activity , Regulation of Carbohydrate Metabolic Process , Positive Regulation of Response to DNA Damage Stimulus |

Application Details

| | |
|--------------------|-----------------------------------|
| Application Notes: | WB,1:500 - 1:2000,IF,1:50 - 1:200 |
| Comment: | HIGH QUALITY |
| Restrictions: | For Research Use only |

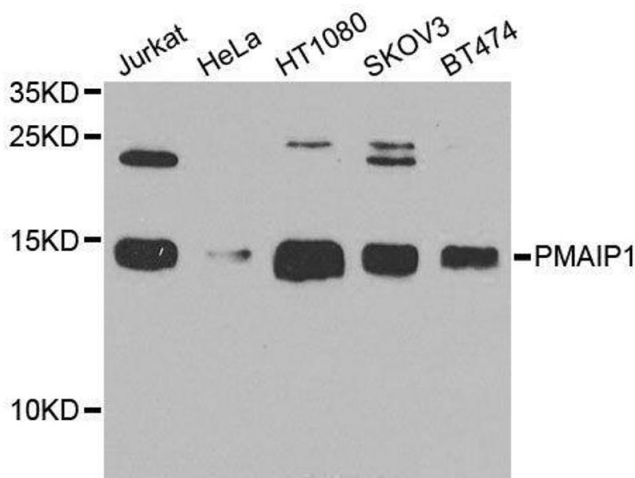
Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |



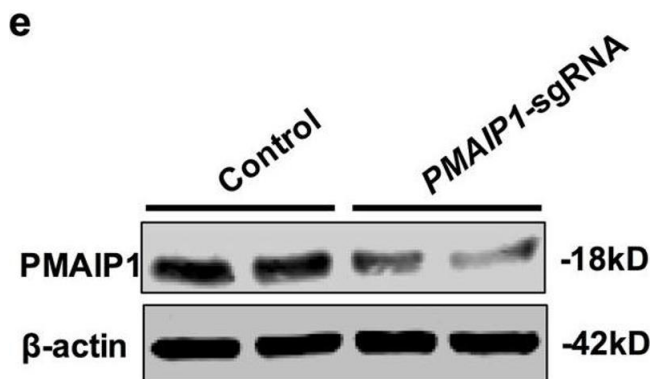
Immunofluorescence

Image 1. Immunofluorescence analysis of rat thymus cells using PM antibody (ABIN6134400, ABIN6145810, ABIN6145811 and ABIN6225100) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PMAIP1 antibody.



Western Blotting

Image 3. PMAIP1 is a CK-resistant gene. a Read counts of sgRNAs targeting PMAIP1 in control and CK-treated groups. b Illustration of the sgRNA applied to deplete PMAIP1 in validation experiments. c Genome editing activity as assessed by T7E1 assay of sgRNA targeting PMAIP1. d Relative mRNA expression level of PMAIP1 in control and PMAIP1 sgRNA-treated cells. e Analysis of the protein level of PMAIP1 in control and PMAIP1 sgRNA-treated cells. f Representative images of cell state after CK (5nM) treatment for 3 days. Scale bar=150µm. g Quantification of cell numbers in each cellular condition as presented in f. h Analysis of the LC3 protein level in control and PMAIP1 sgRNA-treated cells after CK treatment for 1h. Data are represented as means with SEM. *P<0.05, **P<0.01. - figure

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Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6145810.