

Product datasheet for **TA336673**

Noxa (PMAIP1) Mouse Monoclonal Antibody [Clone ID: 114C307.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	114C307.1
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1-2 ug/ml, IF: 1:10-1:500, IHC: 1:10-1:500, IHC-P: 5 ug/ml
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Noxa Antibody was developed by immunizing mice with a fusion protein containing human Noxa.
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	phorbol-12-myristate-13-acetate-induced protein 1
Database Link:	NP_066950 Entrez Gene 58801 Mouse Entrez Gene 5366 Human Q13794



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Background:

Recently, a BH-3 only member of the Bcl-2 family have been identified in human and mouse and designated as Noxa (for damage) (1). The expression of the Noxa gene involves direct activation of its promoter by p53. Increased expression of Noxa protein occurs in normal thymocytes but not in p53-deficient thymocytes. Noxa cDNA codes for a 103-amino acid protein. The coimmunoprecipitation data suggest that Noxa protein may interact with proteins belonging to the Bcl-2 family, such as, Bcl-XL and Mcl-1. Oda et al (1) have also shown that blocking the endogenous Noxa induction results in the suppression of apoptosis. Treatment of cells with Noxa antisense oligonucleotides blocks radiation-induced apoptosis suggesting that Noxa may represent a mediator of p53-dependent apoptosis.

Synonyms:

APR; NOXA

Note:

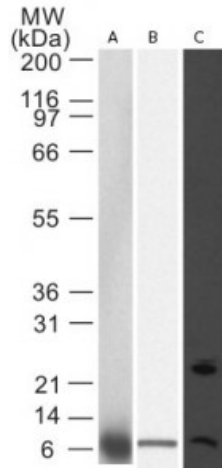
Immunocytochemistry and Immunofluorescence; See Yakovlev et all (2003) for details.

Protein Families:

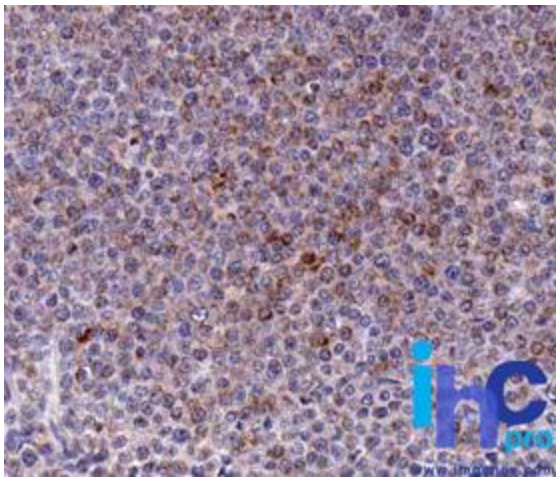
Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

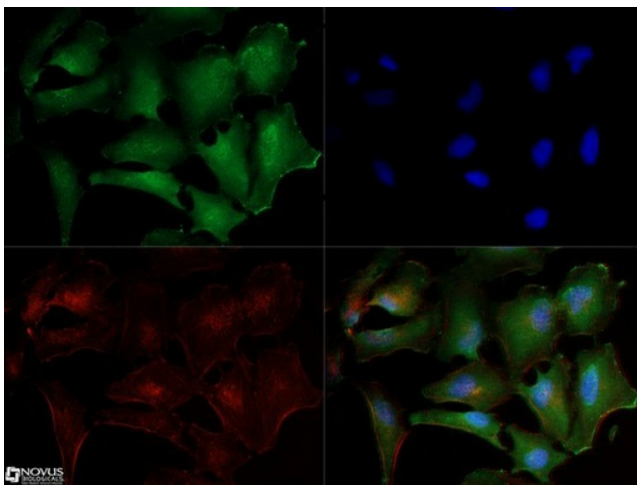
p53 signaling pathway

Product images:

Western Blot: Noxa Antibody (114C307.1) TA336673 - detection of Noxa antibody in A) 293 cells transfected with human Noxa, B) RL-7 cell (a follicular lymphoma) and C) T98G lysate using this antibody.



Immunohistochemistry-Paraffin: Noxa Antibody (114C307.1) TA336673 - Bouin-fixed, paraffin-embedded Chronic Lymphocytic Leukemia (CLL) xenograft stained with Noxa antibody (1:2000), peroxidase-conjugate and DAB chromogen. Staining for 2 hr at RT was used



Immunocytochemistry/Immunofluorescence: Noxa Antibody (114C307.1) TA336673 - Noxa antibody was tested in HeLa cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red). An antibody dilution of 1: