

Product datasheet for **TA336343**

Noxa (PMAIP1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	Immunocytochemistry/ Immunofluorescence: 1:200, Immunohistochemistry: 1:50 - 1:250, Immunohistochemistry-Paraffin: 1:50 - 1:250, Western Blot: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	This antibody was developed by immunizing rabbits with a mixture of synthetic peptides containing amino acids 51-66 and 75-90 of mouse 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 492821 Rat Entrez Gene 5366 Human Q13794

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.



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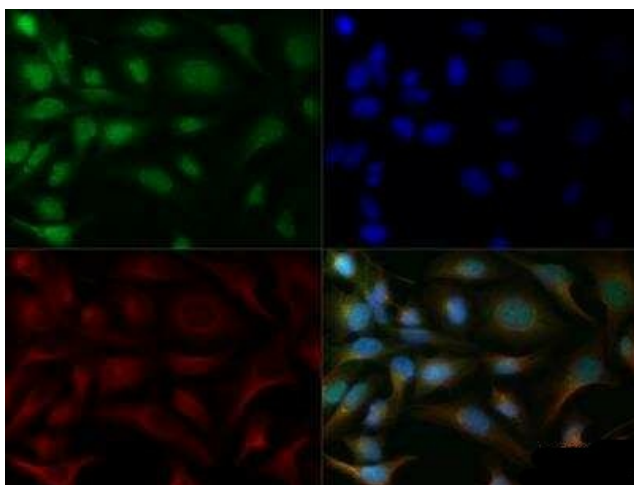
Synonyms: APR; NOXA

Note: Immunohistochemistry-Paraffin: see Inta et al. (2006) for details

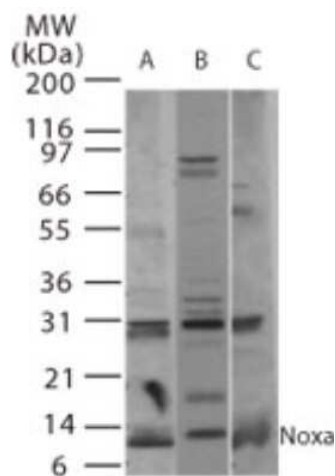
Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: p53 signaling pathway

Product images:



Immunocytochemistry/Immunofluorescence: Noxa Antibody TA336343 - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-Noxa (TA336343) antibody at a 1:200 dilution overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at a 1:500 dilution. Alpha tubulin was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse DyLight 550 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Western Blot: Noxa Antibody TA336343 - Western blot analysis of Noxa in A) human, B) mouse, and C) rat thymus tissue using Noxa antibody TA336343 at 2 ug/mL.