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## Anti-Noxa Purified Purified

**Catalog Number:** 14-6046

**RUO: For Research Use Only. Not for use in diagnostic procedures.**

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### Product Information



**Contents:** Anti-Noxa Purified Purified

**Catalog Number:** 14-6046

**Clone:** Polyclonal

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Rabbit IgG



**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

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### Description

This polyclonal antibody recognizes human, mouse and rat Noxa, a 15 kDa protein involved in apoptosis. Noxa is a BH3-only member of the bcl2 pro-apoptotic family. Expression is dependent on p53 expression. Under hypoxic conditions the protein is induced via HIF1 alpha. Down-regulation or blocking expression leads to suppression of apoptosis; thereby suggesting a therapeutic use for reagents that reduce expression. Further supporting this is Noxa's overexpression in mantle cell lymphoma. In immunoblots a higher molecular weight band (about 34 kDa) has also been observed.

### Applications Reported

This Polyclonal antibody has been reported for use in western blotting.

### Applications Tested

This polyclonal antibody has been tested by western blot analysis of Jurkat cell lysate. This can be used at 0.5-4 ug/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Pedro Eitz Ferrer, Stephanie Potthoff, Susanne Kirschnek, Georg Gasteiger, Wolfgang Kastenmüller, Holger Ludwig, Stefan A. Paschen, Andreas Villunger, Gerd Sutter, Ingo Drexler, Georg Häcker Induction of Noxa-Mediated Apoptosis by Modified Vaccinia Virus Ankara Depends on Viral Recognition by Cytosolic Helicases, Leading to IRF-3/IFN- $\beta$ -Dependent Induction of Pro-Apoptotic Noxa. PLoS Pathog. 2011 June; 7(6): e1002083.

Jee-Youn Kim, Hyun-Jong Ahn, Jong-Hoon Ryu, Kyoungsoo Suk, Jae-Hoon Park BH3-only Protein Noxa Is a Mediator of Hypoxic Cell Death Induced by Hypoxia-inducible Factor 1 $\alpha$ . J Exp Med. 2004 January 5; 199(1): 113-124.

Oda E, Ohki R, Murasawa H, Nemoto J, Shibue T, Yamashita T, Tokino T, Taniguchi T, Tanaka N. Noxa, a BH3-only member of the Bcl-2 family and candidate mediator of p53-induced apoptosis. Science. 2000 May 12;288(5468):1053-8.

### Related Products

14-6008 Anti-AIM2 Purified (Polyclonal)

14-6041 Anti-Human/Mouse PUMA Purified (Polyclonal)

14-6047 Anti-XIAP Purified (polyclonal)

14-6048 Anti-Mouse/Rat Receptor Interacting Protein 3 (RIP3) Purified (Polyclonal)

14-6049 Anti-p53DINP1 Purified

85-86123 p53 (Total/Phospho) InstantOne™ ELISA

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