

Datasheet for ABIN7601546
anti-NOXA1 antibody (AA 38-434)



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Overview

Quantity:	100 µg
Target:	NOXA1
Binding Specificity:	AA 38-434
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOXA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-NOXA1 Antibody Picoband®
Immunogen:	E.coli-derived human NOXA1 recombinant protein (Position: A38-Q434). Human NOXA1 shares 60.3% and 61% amino acid (aa) sequence identity with mouse and rat NOXA1, respectively.
Characteristics:	Anti-NOXA1 Antibody Picoband® (ABIN7601546). Tested in WB, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NOXA1
Alternative Name:	NOXA1 (NOXA1 Products)
Background:	NADPH oxidase activator 1 is an enzyme that in humans is encoded by the NOXA1 gene. This gene encodes a protein which activates NADPH oxidases, enzymes which catalyze a reaction generating reactive oxygen species. The encoded protein contains four N-terminal tetratricopeptide domains and a C-terminal Src homology 3 domain. Interaction between the encoded protein and proteins in the oxidase regulatory complex occur via the tetratricopeptide domains. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	60 kDa
Gene ID:	10811

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Ambasta, R. K., Schreiber, J. G., Janiszewski, M., Busse, R., Brandes, R. P. Noxa1 is a central component of the smooth muscle NADPH oxidase in mice. Free Radic. Biol. Med. 41: 193-201, 2006. 2. Banfi, B., Clark, R. A., Steger, K., Krause, K.-H. Two novel proteins activate superoxide generation by the NADPH oxidase NOX1. J. Biol. Chem. 278: 3510-3513, 2003. 3. Hartz, P. A. Personal Communication. Baltimore, Md. 7/25/2007.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.