

Rabbit anti-Human NOXA1 Polyclonal Antibody | anti-NOXA1 antibody

Anti-NOXA1 Antibody Picoband

CATALOG # AAA127246	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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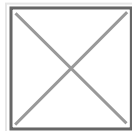
PRODUCT SYNONYMS

NOXA1; Polyclonal Antibody; Anti-NOXA1 Antibody Picoband; anti-NOXA1 antibody

PRODUCT SPECIFICATIONS

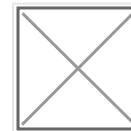
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-NOXA1 antibody	ELISA, WB (Western Blot)
Immunogen	E coli-derived human NOXA1 recombinant protein (Position: A38-Q434). Human NOXA1 shares 60.3% and 61% amino acid (aa) sequence identity with mouse and rat NOXA1, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Figure 2. Western blot analysis of NOXA1 using anti-NOXA1 antibody (AAA127246). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human RT4 whole cell lysates, Lane 3: human Caco-2 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NOXA1 antigen affinity purified polyclonal antibody (#AAA127246) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NOXA1 at approximately 60 kDa. The expected band size for NOXA1 is at 51 kDa.



WB (Western Blot)

Figure 1. Western blot analysis of NOXA1 using anti-NOXA1 antibody (AAA127246). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human 293T whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NOXA1 antigen affinity purified polyclonal antibody (#AAA127246) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NOXA1 at approximately 60 kDa. The expected band size for NOXA1 is at 51 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NOXA1 antibody

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.

Product Categories/Family for anti-NOXA1 antibody	Primary Antibodies
References	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74759404
NCBI GeneID	10811
UniProt Accession #	Q86UR1; O60533; Q29VU9; Q29VV0; Q2TAM1; Q8IUS3
Molecular Weight	45,245 Da
NCBI Official Full Name	NADPH oxidase activator 1
NCBI Official Synonym Full Names	NADPH oxidase activator 1
NCBI Official Symbol	NOXA1
NCBI Official Synonym Symbols	p51NOX; NY-CO-31; SDCCAG31
NCBI Protein Information	NADPH oxidase activator 1; p51-nox; Nox activator 1; antigen NY-CO-31; NCF2-like protein; p67phox-like factor; inhibitory NADPH oxidase activator 1; serologically defined colon cancer antigen 31
UniProt Protein Name	NADPH oxidase activator 1
UniProt Gene Name	NOXA1
UniProt Synonym Gene Names	P51NOX; NOX activator 1
UniProt Entry Name	NOXA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/noxa1-antibody-western-blot-elisa/127246>