

Anti-NOXA1 Antibody Picoband®

Catalog Number: A04679

About NOXA1

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.

Overview

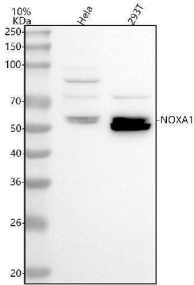
Product Name	Anti-NOXA1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-NOXA1 Antibody Picoband® catalog # A04679. Tested in WB, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	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.
Host	Rabbit
Uniprot ID	Q86UR1

Technical Details

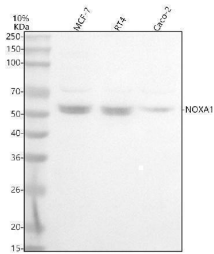
Immunogen	E.coli-derived human NOXA1 recombinant protein (Position: A38-Q434). Human NOXA1 shares 60.3% and 61% amino acid (aa) sequence identity with mouse and rat NOXA1, respectively.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human

	ELISA, 0.1-0.5 ug/ml, -
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Anti-NOXA1 Antibody Picoband® (A04679) Images



Western blot analysis of NOXA1 using anti-NOXA1 antibody (A04679). 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 (Catalog # A04679) at 0.5 ug/mL overnight at 4°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 (Catalog # EK1002) 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.



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Anti-NOXA1 Antibody

For Research Use Only. Not for use in diagnostic procedures.