

Product datasheet

Anti-NOXA1 antibody ab68523

★★★★★ [1 Abreviews](#) [5 References](#) [1 Image](#)

Overview

Product name	Anti-NOXA1 antibody
Description	Mouse polyclonal to NOXA1
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein within Human NOXA1. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements.
Positive control	NOXA1 transfected 293T lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.40 Constituent: 100% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab68523 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 60 kDa (predicted molecular weight: 51 kDa).

Target

Function

Functions as an activator of NOX1, a superoxide-producing NADPH oxidase. Functions in the production of reactive oxygen species (ROS) which participate in a variety of biological processes including host defense, hormone biosynthesis, oxygen sensing and signal transduction. May also activate CYBB/gp91phox and NOX3.

Tissue specificity

Widely expressed. Detected in pancreas, liver, kidney, spleen, prostate, small intestine and colon.

Sequence similarities

Belongs to the NCF2/NOXA1 family.
Contains 1 OPR domain.
Contains 1 SH3 domain.
Contains 4 TPR repeats.

Developmental stage

Expressed in fetal kidney.

Domain

The SH3 domain mediates interaction with NOXO1 and NCF1 and has autoregulatory function. The TPR repeats mediate interaction with RAC1.

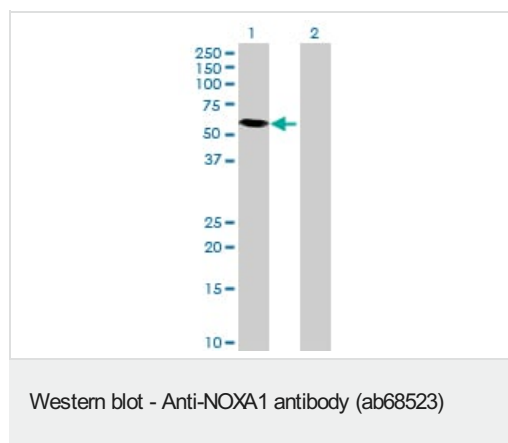
Post-translational modifications

Interaction with YWHAZ depends on phosphorylation by PKA.

Cellular localization

Cytoplasm. Cell membrane. Translocation to membranes depends on NOXO1 or NCF1 and maybe RAC1.

Images



All lanes : Anti-NOXA1 antibody (ab68523) at 1/500 dilution

Lane 1 : NOXA1 transfected 293T lysate

Lane 2 : Non-transfected 293T lysate

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : Goat Anti-Mouse IgG (H&L)-HRP at 1/2500 dilution

Predicted band size: 51 kDa

Observed band size: 60 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours

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