

Rabbit NOX1 Polyclonal Antibody | anti-NOX1 antibody

NOX1 antibody - C-terminal region

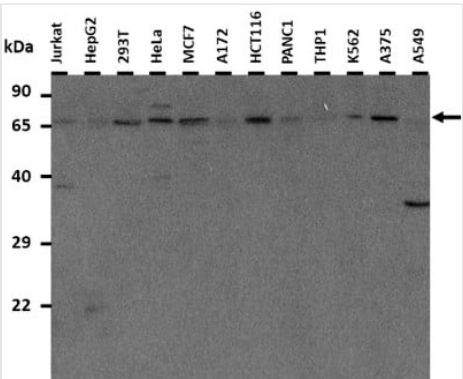
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199753	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish	Western Blot

PRODUCT SYNONYMS

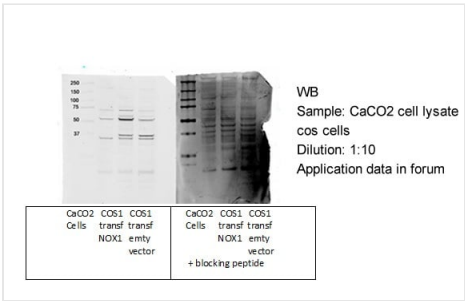
NOX1; Polyclonal Antibody; NOX1 antibody - C-terminal region; anti-NOX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide located within the following region: ST IATSHPKSVV GVFLCGPRTL AKSLRKCCHR YSSLDPRKVQ FYFNKENF
Sequence Length	564
Applicable Applications for anti-NOX1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%; Zebrafish: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human NOX1
Protein Size (# AA)	564 amino acids
Protein Interactions	NOXA1; CYBA;
Blocking Peptide	For anti-NOX1 antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
25 ug of the indicated Human whole cell extracts were loaded per well using 12% SDS-PAGE. Membrane was incubated with 3 ug/mL of antibody.



WB (Western Blot)
NOX1 antibody - C-terminal region validated by WB using Epithelial Colorectal Adenocarcinoma CaCO2 at 1:10.

ADDITIONAL INFORMATION

Related Product Information for anti-NOX1 antibody	Target Description: Voltage-gated proton (hydrogen) channels play an important role in cellular defense against acidic stress. They are unique among ion channels with respect to their extremely high selectivity, marked temperature dependence, and unitary conductance, which is 3 orders of magnitude lower than that of most other ion channels. NOX1 is a homolog of the catalytic subunit of the superoxide-generating NADPH oxidase of phagocytes, gp91phox. Voltage-gated proton (hydrogen) channels play an important role in cellular defense against acidic stress. They are unique among ion channels with respect to their extremely high selectivity, marked temperature dependence, and unitary conductance, which is 3 orders of magnitude lower than that of most other ion channels. NOX1 is a homolog of the catalytic subunit of the superoxide-generating NADPH oxidase of phagocytes, gp91phox. Three splice variants of NOX1 have been identified, NOH-1L, NOH-1S and NOH-1Lv. The NOH-1S currents were reversibly blocked by zinc, a known H ⁺ channel inhibitor. The NOH-1S variant does not contain an electron transport chain and it is thought that H ⁺ conductance is its main physiologic function, whereas NOH-1L may conduct H ⁺ ions as part of its electron transport mechanism.
Product Categories/Family for anti-NOX1 antibody	Polyclonal; Signal Proteins; Membrane Protein; Drugs and Drug Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	148536873
NCBI GeneID	27035
NCBI Accession #	NP_008983
NCBI GenBank Nucleotide #	NM_007052
UniProt Accession #	Q9Y5S8
Molecular Weight	65kDa
NCBI Official Full Name	NADPH oxidase 1 isoform 1
NCBI Official Synonym Full Names	NADPH oxidase 1
NCBI Official Symbol	NOX1
NCBI Official Synonym Symbols	MOX1; NOH1; NOH-1; GP91-2
NCBI Protein Information	NADPH oxidase 1
UniProt Protein Name	NADPH oxidase 1
UniProt Gene Name	NOX1
UniProt Synonym Gene Names	MOX1; NOH1; NOX-1; MOX-1

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/nox1-antibody-western-blot-elisa/199753>