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**Product Name: Mox1 Rabbit Polyclonal Antibody****Catalog #: APRab14049**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:50-1:300
<b>Molecular Weight</b>	65kDa

**Antigen Information**

<b>Gene Name</b>	NOX1
<b>Alternative Names</b>	NOX1; MOX1; NOH1; NADPH oxidase 1; NOX-1; Mitogenic oxidase 1; MOX-1; NADH/NADPH mitogenic oxidase subunit P65-MOX; NOH-1
<b>Gene ID</b>	27035.0
<b>SwissProt ID</b>	Q9Y5S8
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human NOX1. AA range:436-485

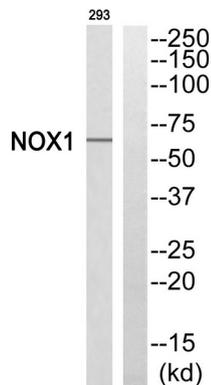
**Background**

This gene encodes a member of the NADPH oxidase family of enzymes responsible for the catalytic one-electron transfer of oxygen to generate superoxide or hydrogen peroxide. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2012],cofactor:FAD .,cofactor:NADP .,enzyme regulation:The oxidase activity is potentiated by NOXA1 and NOXO1.,function:NOH-1S is a voltage-gated proton channel that mediates the H(+) currents of resting phagocytes and other tissues. It participates in the regulation of cellular pH and is blocked by zinc. NOH-1L is a pyridine nucleotide-dependent oxidoreductase that generates superoxide and might conduct H(+) ions as part of its electron transport mechanism, whereas NOH-1S does not contain an electron transport chain.,similarity:Contains 1 FAD-binding FR-type domain.,similarity:Contains 1 ferric oxidoreductase domain.,subunit:NOX1, NOXA1, NOXO1, RAC1 and CYBA forms a functional multimeric complex supporting ROS production. Interacts with NOXA1 and NOXO1.,tissue specificity:NOH-1L is detected in colon, uterus, prostate, and colon carcinoma, but not in peripheral blood leukocytes. NOH-1S is detected only in colon and colon carcinoma cells.,

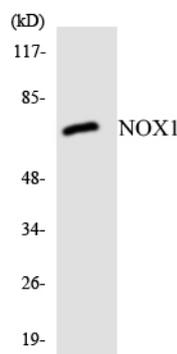
## Research Area

Leukocyte transendothelial migration;

## Image Data



Western blot analysis of NOX1 Antibody. The lane on the right is blocked with the NOX1 peptide.



Western blot analysis of the lysates from HeLa cells using NOX1 antibody.