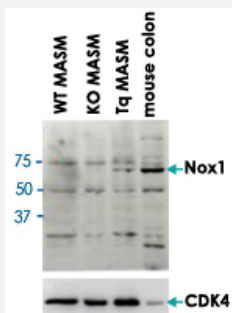


NOX1 polyclonal antibody

Catalog # PAB19751 Size 100 ug

Applications



Western Blot (Cell lysate)

NOX1 polyclonal antibody (Cat # PAB19751) (1 ug/mL) staining of MASM cell lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence. NOX1 served as a loading control.

Data provided by Dr. B. Lasseque, Emory University, Atlanta, USA.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of NOX1.
Immunogen	A synthetic peptide corresponding to internal region of human NOX1.
Sequence	CDKATDVTGLKQK
Host	Goat
Theoretical MW (kDa)	64.9
Reactivity	Human, Mouse
Specificity	This antibody is expected to recognize both reported isoforms (NP_008983.2; NP_39249.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — NOX1

Entrez GeneID	27035
Protein Accession#	NP_008983.2;NP_39249.1
Gene Name	NOX1
Gene Alias	GP91-2, MOX1, NOH-1, NOH1
Gene Description	NADPH oxidase 1
Omim ID	300225
Gene Ontology	Hyperlink

Gene Summary	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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	NADPH oxidase 1 variant NOH-1L NADPH oxidase homolog-1 OTTHUMP00000023657 OTTHUMP00000023659 mitogenic oxidase (pyridine nucleotide-dependent superoxide-generating)

Pathway

- [Leukocyte transendothelial migration](#)

Disease

- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Liver Cirrhosis](#)