

For Research Use Only

# NOX1 Recombinant antibody, PBS Only

Catalog Number: 84700-1-PBS



## Basic Information

Catalog Number:

84700-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12187

GenBank Accession Number:

BC075014

GeneID (NCBI):

27035

UNIPROT ID:

Q9Y5S8

Full Name:

NADPH oxidase 1

Calculated MW:

564 aa, 65 kDa

Observed MW:

59 kDa

Purification Method:

Protein A purification

CloneNo.:

241935E7

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse

## Background Information

NOX1(NADPH oxidase 1) is also named as MOX1, NOH1 and belongs to the reactive oxygen species (ROS)-generating NADPH oxidase family. It plays a role in host defense, cell growth and differentiation, cell migration, and malignant transformation(PMID:20351171). It also can mediate oncogenic Ras-induced upregulation of VEGF and angiogenesis by activating Sp1 through Ras-ERK-dependent phosphorylation of Sp1(PMID:18454179). It has 3 isoforms produced by alternative splicing with the molecular weight of 65 kDa, 22 kDa and 59 kDa. The full length protein has two glycosylation sites. It always can be detected two bands of 63 kDa and 55 kDa in cells by western blot or another lower band of 45 kDa which is not likely due to alternative translation or splice variation, but as adjustment for the signal peptide and tag removal(PMID:17560373) or unspecific(PMID:17460729).

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

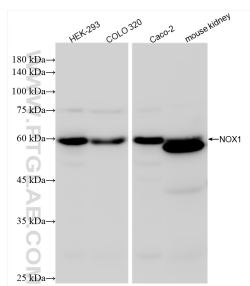
T: 4006900926

E: Proteintech-CN@ptglab.com

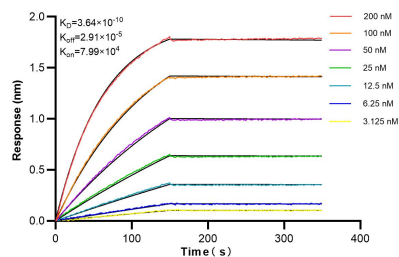
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84700-1-RR (NOX1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84700-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84700-1-RR against Human NOX1 were performed. The affinity constant is 0.364 nM.