

For Research Use Only

NOX1 Recombinant antibody

Catalog Number:84700-1-RR



Basic Information

Catalog Number: 84700-1-RR	GenBank Accession Number: BC075014	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 27035	CloneNo.: 241935E7
Source: Rabbit	UNIPROT ID: Q9Y558	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: NADPH oxidase 1	
Immunogen Catalog Number: AG12187	Calculated MW: 564 aa, 65 kDa	
	Observed MW: 59 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, COLO 320 cells, Caco-2 cells, mouse kidney tissue
Species Specificity: human, mouse	

Background Information

NNOX1(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

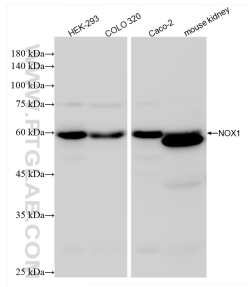
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

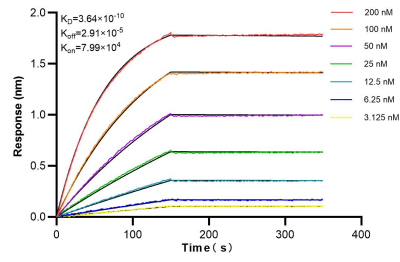
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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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.



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