

DNAxPAb

Hard-to-Find
Antibody

NOX4 DNAxPAb

Catalog # H00050507-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human NOX4 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — NOX4

Entrez GeneID	50507
GeneBank Accession#	BC040105
Gene Name	NOX4
Gene Alias	KOX, KOX-1, RENOX
Gene Description	NADPH oxidase 4
Omim ID	605261
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the NOX-family of enzymes that functions as the catalytic subunit the NADPH oxidase complex. The encoded protein is localized to non-phagocytic cells where it acts as an oxygen sensor and catalyzes the reduction of molecular oxygen to various reactive oxygen species (ROS). The ROS generated by this protein have been implicated in numerous biological functions including signal transduction, cell differentiation and tumor cell growth. A pseudogene has been identified on the other arm of chromosome 11. Alternative splicing results in multiple transcript variants
Other Designations	kidney superoxide-producing NADPH oxidase renal NAD(P)H-oxidase

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Liver Cirrhosis](#)
- [Tobacco Use Disorder](#)