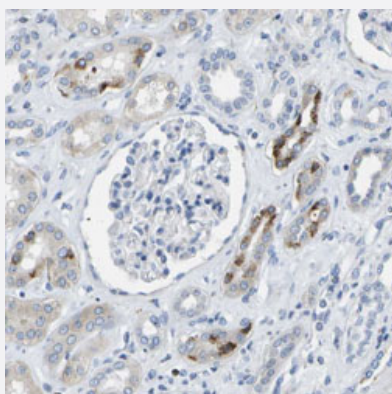


# NOX4 polyclonal antibody

Catalog # PAB30497      Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with NOX4 polyclonal antibody (Cat # PAB30497) shows strong cytoplasmic positivity in cells in tubules at 1:50-1:200 dilution.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against partial recombinant human NOX4.
<b>Immunogen</b>	Recombinant protein corresponding to human NOX4.
<b>Sequence</b>	ISLNRTSSQNISLPEYFSEHFHEPFPEGFSKPAEFTQHKFVKICMEEPFRFQANFPQTLWISGPLCLYCAERLYRYIRSNKPVTIISVISHPSDVMEIRMVKENFKARPGQYI
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

**Storage Instruction**

Store at 4°C. For long term storage 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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with NOX4 polyclonal antibody (Cat # PAB30497) shows strong cytoplasmic positivity in cells in tubules at 1:50-1:200 dilution.

## Gene Info — NOX4

**Entrez GeneID** [50507](#)

**Protein Accession#** [Q9NPH5](#)

**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](#)