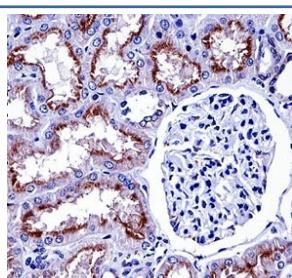


NOX4 Antibody (F43447)

Catalog No.	Formulation	Size
F43447-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43447-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q9NPH5
Localization	Cytoplasmic and cell surface
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
Limitations	This NOX4 antibody is available for research use only.



NOX4 antibody IHC analysis in formalin fixed and paraffin embedded human kidney tissue.



NOX4 antibody western blot analysis in CEM lysate. Expected molecular weight: ~65 kDa, 75-80 kDa.

Description

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.

Application Notes

Titration of the NOX4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 124-153 from the human protein was used as the immunogen for this NOX4 antibody.

Storage

Aliquot the NOX4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.