

Rabbit NADPH Oxidase 4 Polyclonal Antibody | anti-NOX4 antibody

NADPH Oxidase 4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29878	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

NADPH Oxidase 4; Polyclonal Antibody; NADPH Oxidase 4 Antibody; Kidney oxidase 1 antibody; Kidney oxidase-1 antibody; Kidney superoxide producing NADPH oxidase antibody; Kidney superoxide-producing NADPH oxidase antibody; KOX 1 antibody; KOX antibody; Kox-1 antibody; KOX1 antibody; NADPH antibody; NADPH oxidase 4 antibody; Nox4 antibody; NOX4_HUMAN antibody; Renal NAD (P)H oxidase antibody; Renal NAD (P)H-oxidase antibody; RENOX antibody; anti-NOX4 antibody

PRODUCT SPECIFICATIONS

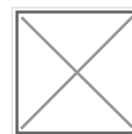
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-NOX4 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	IHC: 1:50-1:200 ICC: 1:50-1:200 FC/FACS: 1:10-1:100
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



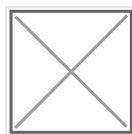
FCM (Flow Cytometry)

Flow cytometric analysis of HeLa cells with NADPH oxidase 4 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated Goat anti rabbit IgG was used as the secondary antibody.



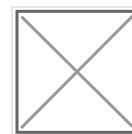
ICC (Immunocytochemistry)

Immunocytochemical staining of HeLa cells using anti-NADPH oxidase 4 rabbit polyclonal antibody.



ICC (Immunocytochemistry)

Immunocytochemical staining of 293T cells using anti-NADPH oxidase 4 rabbit polyclonal antibody.



ICC (Immunocytochemistry)

Immunocytochemical staining of HepG2 cells using anti-NADPH oxidase 4 rabbit polyclonal antibody.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin- embedded mouse kidney tissue using anti-NADPH oxidase 4 rabbit polyclonal antibody.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin- embedded human kidney tissue using anti-NADPH oxidase 4 rabbit polyclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NOX4 antibody	The superoxide-generating NADPH oxidase includes a membrane-bound flavocytochrome containing two subunits, gp91-phox and p22-phox, and the cytosolic proteins p47-phox and p67-phox. During activation of the NADPH oxidase, p47-phox and p67-phox migrate to the plasma membrane where they associate with the flavocytochrome, cytochrome b558, to form the active enzyme complex. The p22 and gp91-phox subunits also function as surface O ₂ sensors that initiate cellular signaling in response to hypoxic conditions. Nox4 (also known as Renox) is a renal gp91-phox homolog highly expressed at the site of erythropoietin production in the proximal convoluted tubule epithelial cells of the renal cortex. Nox4 is also expressed in fetal tissues, placenta, glioblastoma and vascular cells. Like gp91-phox, the enzymatic activity of Nox4 produces superoxide anions. In vascular cells, the addition of Angiotensin II increases Nox4 expression, which suggests a role for Nox4 in vascular oxidative stress response. The gene encoding human Nox4 maps to chromosome 11q14.2-q21
Product Categories/Family for anti-NOX4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	219842348
NCBI GeneID	50507
NCBI Accession #	NP_001137309.1
NCBI GenBank Nucleotide #	NM_001143837.1
UniProt Accession #	Q9NPH5; Q5K3R4; Q5K3R5; Q5K3R6; Q5K3R8; Q7Z7G3; Q86V92; A8K715
Molecular Weight	66,932 Da
NCBI Official Full Name	NADPH oxidase 4 isoform c
NCBI Official Synonym Full Names	NADPH oxidase 4
NCBI Official Symbol	NOX4
NCBI Official Synonym Symbols	KOX; KOX-1; RENOX
NCBI Protein Information	NADPH oxidase 4; kidney oxidase-1; renal NAD(P)H-oxidase; kidney superoxide-producing NADPH oxidase
UniProt Protein Name	NADPH oxidase 4
UniProt Gene Name	NOX4
UniProt Synonym Gene Names	RENOX; KOX-1
UniProt Entry Name	NOX4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nadph-oxidase-4-antibody-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29878>