

Rabbit anti-Human NOX5 Polyclonal Antibody | anti-NOX5 antibody

Anti-NOX5 antibody

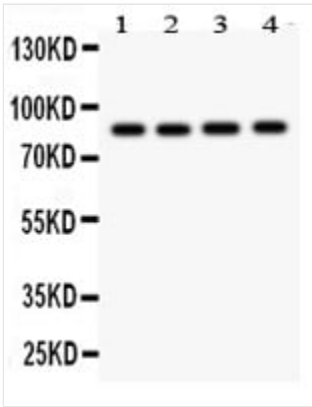
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45432	Rabbit	Human	Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

NOX5; Polyclonal Antibody; Anti-NOX5 antibody; NADPH oxidase 5; NADPH oxidase; EF-hand calcium binding domain 5; MGC149776 antibody; MGC149777 antibody; NADPH oxidase 5 antibody; NADPH oxidase EFhand calcium binding domain 5 antibody; NOX5 antibody; NOX5_HUMAN antibody; anti-NOX5 antibody

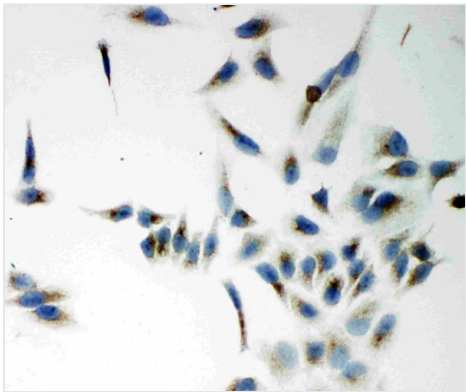
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	765
Applicable Applications for anti-NOX5 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human NOX5 (747-765aa KVLKGHCCKFGFRFFQENF).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



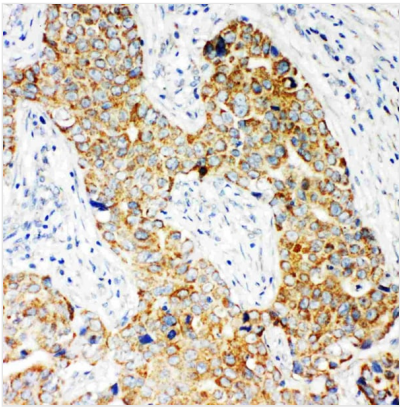
WB (Western Blot)

Anti-NOX5 antibody, AAA45432, Western blottingAll lanes: Anti (AAA45432) at 0.5ug/mlLane 1: 22RV1 Whole Cell Lysate at 40ugLane 2: PANC Whole Cell Lysate at 40ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: SKOV Whole Cell Lysate at 40ugPredicted bind size: 86KDObserved bind size: 86KD



ICC (Immunocytochemistry)

Anti-NOX5 antibody, AAA45432, ICCICC: HELA Cell



IHC (Immunohistochemistry)

Anti-NOX5 antibody, AAA45432, IHC(P)IHC(P): Human Mammary Cancer Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-NOX5 antibody	Description: Rabbit IgG polyclonal antibody for NADPH oxidase 5(NOX5) detection. Tested with WB, IHC-P, ICC in Human. Background: NOX5(Nadph Oxidase 5), also known as NOX5A or NOX5B, is a protein which in humans is encoded by the NOX5 gene. The International Radiation Hybrid Mapping Consortium mapped the NOX5 gene to chromosome 15. NOX5 is a novel NADPH oxidase that generates superoxide and functions as an H⁺ channel in a Ca²⁺-dependent manner. Banfi et al.(2001) found that, when heterologously expressed, NOX5 was quiescent in unstimulated cells. However, in response to elevations of the cytosolic Ca²⁺ concentration, it generated large amounts of superoxide. Using RT-PCR and Southern and Western blot analyses, Kamiguti et al.(2005) identified NOX5 as a flavin-containing Ca²⁺-dependent oxidase present in hairy leukemic cells(HC), but not normal B cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74717091
NCBI GeneID	79400
UniProt Accession #	Q96PH1; Q08AN2; Q08AN3; Q8TEQ1; Q8TER4; Q96PH2; Q96PJ8; Q96PJ9; Q9H6E0; Q9HAM8; B2RBJ4
Molecular Weight	83,109 Da
NCBI Official Full Name	NADPH oxidase 5
NCBI Official Synonym Full Names	NADPH oxidase, EF-hand calcium binding domain 5

NCBI Official Symbol	NOX5
NCBI Protein Information	NADPH oxidase 5
UniProt Protein Name	NADPH oxidase 5
UniProt Gene Name	NOX5
UniProt Entry Name	NOX5_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/nox5-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/45432>