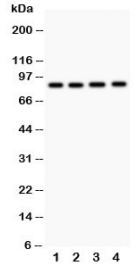
NOX5 Antibody (R31049)

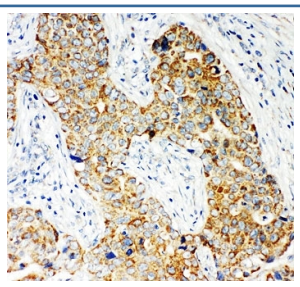
Catalog No.	Formulation	Size
R31049	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

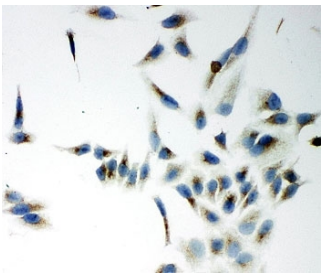
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q96PH1
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml Immunocytochemistry : 0.5-1ug/ml
Limitations	This NOX5 antibody is available for research use only.



Western blot testing of NOX5 antibody and Lane 1: 22RV1; 2: PANC; 3: HeLa; 4: SKOV. Expected/observed molecular weight: ~86 kDa.



IHC-P: NOX5 antibody testing of human breast cancer tissue



ICC testing of NOX5 antibody and HeLa cells

Description

NADPH Oxidase 5, also known as NOX5A or NOX5B, is a protein which in humans is encoded by the NOX5 gene. It is a 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the NOX5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human NADPH Oxidase 5 (KVLKGHCEKFGFRFFQENF) was used as the immunogen for this NOX5 antibody.

Storage

After reconstitution, the NOX5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com