NADPH oxidase 4 (NOX4) Rabbit mAb

Catalog NO.: A22149 Recombinant 14 Publications

Basic Information

Observed MW
67kDa

Calculated MW
67KDa

Category
Monoclonal Antibodies

Applications
WB, IF/ICC, ELISA

Cross-Reactivity
Human,

Conjugation
Unconjugated

Clone number
ARC55045

Background

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.

Recommended Dilutions

WB	1:1000 - 1:3000
IF/ICC	1:100 - 1:400

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
50507

Swiss Prot
Q9NPH5

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
KOX; KOX-1; RENOX; NADPH oxidase 4 (NOX4)

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

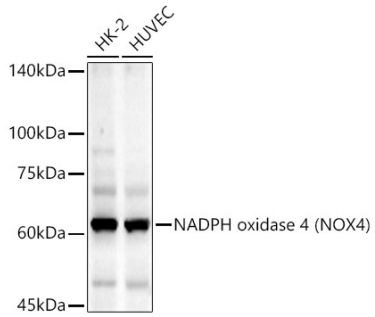
Source
Rabbit

Isotype
IgG

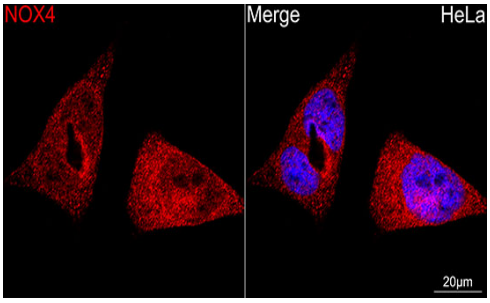
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates, using NADPH oxidase 4 (NOX4) Rabbit mAb (A22149) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Confocal imaging of HeLa cells using NADPH oxidase 4 (NOX4) Rabbit mAb (A22149, dilution 1:100) (Red). DAPI was used for nuclear staining (blue). Objective: 60x.

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