Recombinant NADPH oxidase 4 Monoclonal Antibody

catalog number: **AN301066L**

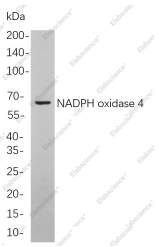
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human NADPH oxidase 4 protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C170690
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000-5000
IF	1:200-1000
ELISA	1:5000-20000

Data



Western Blot with Recombinant NADPH oxidase 4 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: HEK293 cells.

Observed-MW:67 kDa

Calculated-MW:67 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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.

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