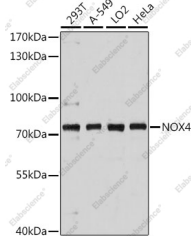
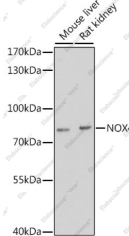


(KO Validated) NOX4 Polyclonal Antibody

catalog number: E-AB-64074

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

Description	
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human NOX4 (NP_058627.1).
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.
Applications	Recommended Dilution
WB	1:500-1:2000

Data	
 Western blot analysis of extracts of various cell lines using NOX4 Polyclonal Antibody at dilution of 1:3000. Observed-MW:75 kDa Calculated-MW:6 kDa/25-31 kDa/58-66 kDa	 Western blot analysis of extracts of various cell lines using NOX4 Polyclonal Antibody at dilution of 1:3000. Observed-MW:75 kDa Calculated-MW:6 kDa/25-31 kDa/58-66 kDa

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

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.