

NOX4 Rabbit pAb

Catalog No.	A11274	Category	Polyclonal Antibodies
Applications	WB	Observed MW	75kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	6kDa/25-31kDa/58-66kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 328-578 of human NOX4 (NP_058627.1).
Gene ID	50507
Swiss prot	Q9NPH5
Synonyms	NOX4;KOX;KOX-1;RENOX

Product information

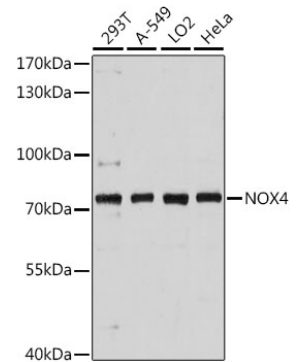
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

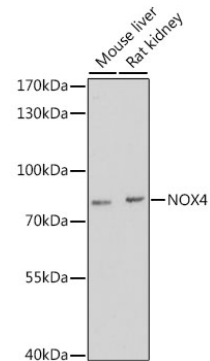
This gene encodes a member of the NOX-family of enzymes that functions as the catalytic subunit the NADPH oxidase complex. The encoded protein is localized to non-phagocytic cells where it acts as an oxygen sensor and catalyzes the reduction of molecular oxygen to various reactive oxygen species (ROS). 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 1:500 - 1:2000



Western blot analysis of extracts of various cell lines, using NOX4 antibody (A11274) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Western blot analysis of extracts of various cell lines, using NOX4 antibody (A11274) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.