

Product datasheet for **TA356149**

NADPH oxidase 4 (NOX4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NOX4
Specificity:	Expected reactivity: Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep Homology: Cow: 100%; Dog: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	37kDa
Gene Name:	NADPH oxidase 4
Database Link:	NP_001137308.1 Entrez Gene 50507 Human Q9NPH5



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Background:

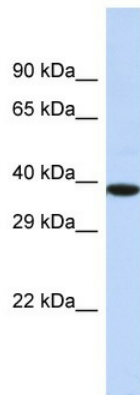
This gene encodes a member of the NOX-family of enzymes that functions as the catalytic subunit the NADPH oxidase complex. The encoded protein is localized to non-phagocytic cells where it acts as an oxygen sensor and catalyzes the reduction of molecular oxygen to various reactive oxygen species (ROS).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

Synonyms:

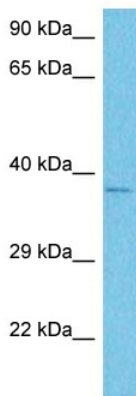
KOX; KOX-1; RENOX

Protein Families:

Druggable Genome, Transmembrane

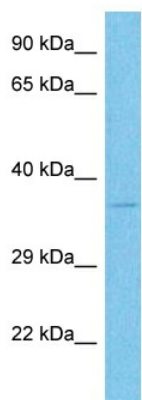
Product images:


Host: Rabbit
 Target Name: NOX4
 Sample Type: MCF7 Whole Cell lysates
 Antibody Dilution: 1.0ug/ml



Host: Rabbit
 Target Name: NOX4
 Sample Type: 786-0 Cell Lysate
 Antibody Dilution: 1.0µg/ml

Host: Rabbit
 Target Name: NOX4
 Sample Tissue: Human 786-0 Whole Cell
 Antibody Dilution: 1ug/ml



Host: Rabbit
Target Name: NOX4
Sample Type: A549 Cell Lysate
Antibody Dilution: 1.0 μ g/ml

Host: Rabbit
Target Name: NOX4
Sample Tissue: Human A549 Whole Cell
Antibody Dilution: 1 μ g/ml