



Datasheet for ABIN2776906

anti-NADPH Oxidase 4 antibody (Middle Region)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	NADPH Oxidase 4 (NOX4)
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Dog, Horse, Pig, Rabbit, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NADPH Oxidase 4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NOX4
Sequence:	VCMVWLFLM ITASTYAIRV SNYDIFWYTH NLFFVFYMLL TLHVSGDDWK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against NOX4. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	NADPH Oxidase 4 (NOX4)
Alternative Name:	NOX4 (NOX4 Products)

Target Details

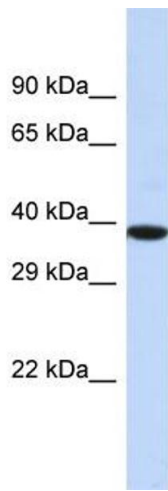
Background:	<p>This gene encodes a member of the NOX-family of enzymes that functions as the catalytic subunit the NADPH oxidase complex. The encoded protein is localized to non-phagocytic cells where it acts as an oxygen sensor and catalyzes the reduction of molecular oxygen to various reactive oxygen 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.</p> <p>Alias Symbols: KOX, KOX-1, RENOX</p> <p>Protein Size: 342</p>
Molecular Weight:	37 kDa
Gene ID:	50507
NCBI Accession:	NM_001143836 , NP_001137308
UniProt:	Q9NPH5
Pathways:	Carbohydrate Homeostasis , Smooth Muscle Cell Migration

Application Details

Restrictions:	For Research Use only
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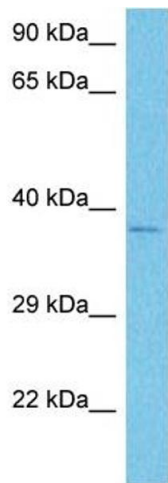
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	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.



Western Blotting

Image 1. Host: Rabbit Target Name: NOX4 Sample Type: MCF7 Whole Cell lysates Antibody Dilution: 1.0ug/ml



Western Blotting

Image 2. Host: Rabbit Target Name: NOX4 Sample Tissue: Human 786-0 Whole Cell Antibody Dilution: 1ug/ml