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anti-NOX1 antibody (AA 243-271)



Images



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Overview	
Quantity:	400 μL
Target:	NOX1
Binding Specificity:	AA 243-271
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This NOX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 243-271 amino acids from the Central region of human NOX1.
Clone:	RB36700
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	NOX1
Alternative Name:	NOX1 (NOX1 Products)
Background:	Voltage-gated proton (hydrogen) channels play an important role in cellular defense against
	acidic stress. They are unique among ion channels with respect to their extremely high
	selectivity, marked temperature dependence, and unitary conductance, which is 3 orders of

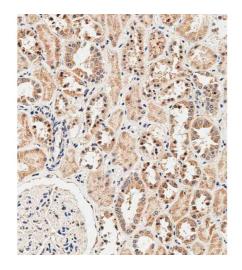
Target Details

- arget Details	
	magnitude lower than that of most other ion channels. NOX1 is a homolog of the catalytic subunit of the superoxide-generating NADPH oxidase of phagocytes, gp91phox. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	64871
Gene ID:	27035
NCBI Accession:	NP_001258744, NP_008983, NP_039249
UniProt:	Q9Y5S8
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones, Proton Transport
Application Details	
Application Notes	WR: 1:1000 JHC-P-I aica: 1:500 JHC-P-I aica: 1:500

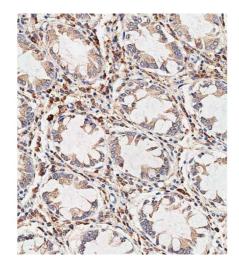
Application Notes:	WB: 1:1000. IHC-P-Leica: 1:500. IHC-P-Leica: 1:500	
Restrictions:	For Research Use only	

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	NOX1 Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical analysis of paraffinembedded human kidney tissue using C performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH 9. 0). Samples were incubated with primary Antibody (1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

Western Blotting

Image 2. All lanes: Anti-NOX1 Antibody (Center) at 1:1000 dilution Lane 1: WiDr whole cell lysate Lane 2: S whole cell lysate Lane 3: HT-29 whole cell lysate Lane 4: PC-3 whole cell lysate Lane 5: Hela whole cell lysate Lane 6: human uterus tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 65 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemical analysis of paraffinembedded human colon tissue using C performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH 9. 0). Samples were incubated with primary Antibody (1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.