

Product datasheet for **TA349083**

NADPH oxidase 4 (NOX4) Rabbit Polyclonal Antibody

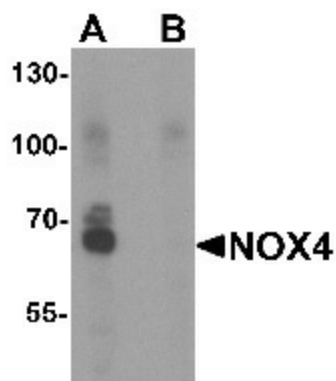
Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IHC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	NOX4 antibody was raised against a 14 amino acid peptide near the amino terminus of human NOX4.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	NOX4 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 64 kDa; Observed: 68 kDa
Gene Name:	NADPH oxidase 4
Database Link:	NP_058627 Entrez Gene 50507 Human Q9NPH5
Background:	The NOX family of NADPH oxidases is comprised of seven transmembrane proteins that oxidize intracellular NADPH/NADH, causing electron transport across the membrane and the reduction of molecular oxygen to superoxide (1). NOX4 is expressed in multiple tissues and catalyzes the reduction of molecular oxygen to various reactive oxygen species (ROS) (2,3). Unlike other NOX proteins, NOX4 does not require cytosolic subunits and thus is constitutively active (4). The function of NOX4 remains unclear as it plays both protective and deleterious roles in cellular metabolism.
Synonyms:	p150; VPS15

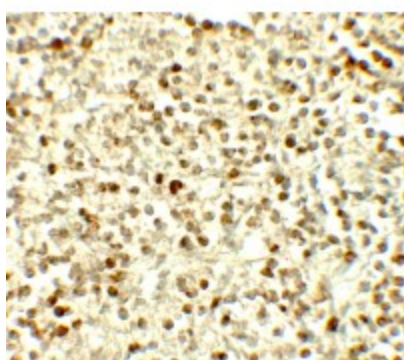


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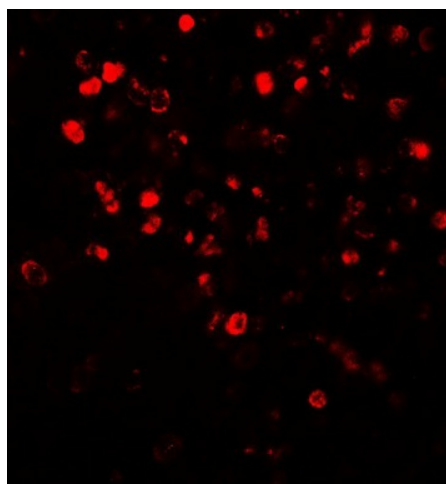
Product images:



Western blot analysis of NOX4 in Jurkat cell lysate with NOX4 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of NOX4 in human spleen tissue with NOX4 antibody at 5 ug/mL.



Immunofluorescence of NOX4 in human spleen tissue with NOX4 antibody at 20 ug/mL.