

ARG59887 anti-NOX1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NOX1
Tested Reactivity	Hu
Predict Reactivity	Hm
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NOX1
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 354-374 of Human NOX1. (HIRAAGDWTENLIRAFEQQYS)
Conjugation	Un-conjugated
Alternate Names	NOH1; GP91-2; NOX-1; NADPH oxidase 1; MOX-1; Mitogenic oxidase 1; MOX1; EC 1.-.-.-; NOH-1; NADH/NADPH mitogenic oxidase subunit P65-MOX

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Heat mediation was recommended. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

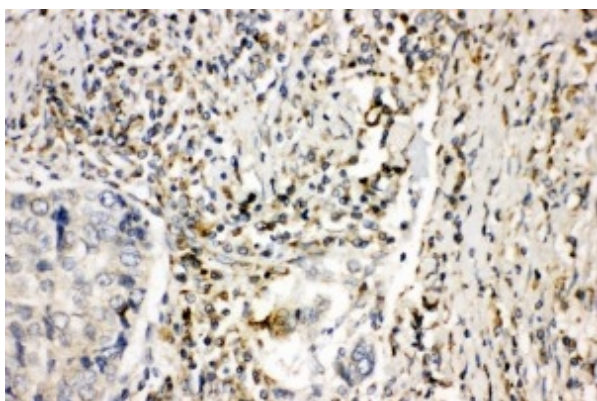
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

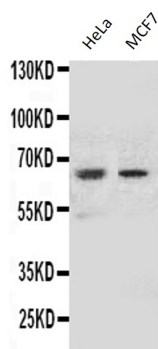
Gene Symbol	NOX1
Gene Full Name	NADPH oxidase 1
Background	This gene encodes a member of the NADPH oxidase family of enzymes responsible for the catalytic one-electron transfer of oxygen to generate superoxide or hydrogen peroxide. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2012]
Function	NOH-1S is a voltage-gated proton channel that mediates the H(+) currents of resting phagocytes and other tissues. It participates in the regulation of cellular pH and is blocked by zinc. NOH-1L is a pyridine nucleotide-dependent oxidoreductase that generates superoxide and might conduct H(+) ions as part of its electron transport mechanism, whereas NOH-1S does not contain an electron transport chain. [UniProt]
Calculated Mw	65 kDa
Cellular Localization	Cell projection, invadopodium membrane; Multi-pass membrane protein. Cell membrane. [UniProt]

Images



ARG59887 anti-NOX1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue stained with ARG59887 anti-NOX1 antibody.



ARG59887 anti-NOX1 antibody WB image

Western blot: 40 µg of HeLa and MCF7 whole cell lysates stained with ARG59887 anti-NOX1 antibody at 0.5 µg/ml dilution.