

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. (HIRAAGDWTEENLIRAFEQQYS)
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.

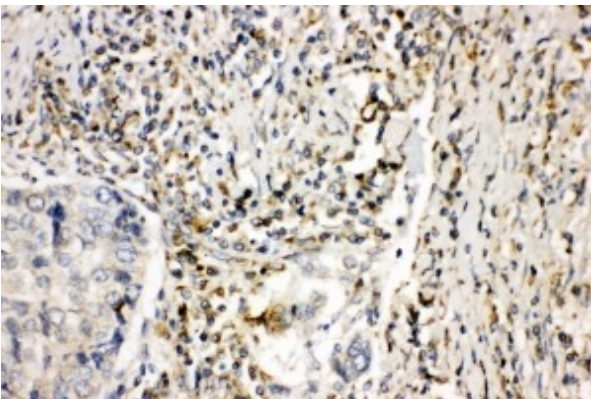
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

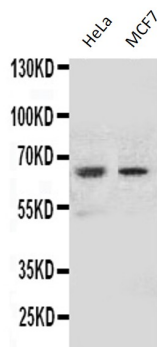
Gene Symbol	NOX1
Gene Full Name	NADPH oxidase 1
Background	This gene encodes a member of the NADPH oxidase family of enzymes responsible for the catalytic one-electron transfer of oxygen to generate superoxide or hydrogen peroxide. Alternatively spliced transcript variants encoding multiple isoforms 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.