

ARG59898 anti-NOX5 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NOX5
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Specificity	The immunogen of the antibody is corresponding to a.a. 13-197 so it expects not react to NOX5 epsilon.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NOX5
Species	Human
Immunogen	Recombinant protein corresponding to E13-F197 of Human NOX5.
Conjugation	Un-conjugated
Alternate Names	NADPH oxidase 5; EC 1.6.3.-

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200 - 1:1000
	WB	0.1 - 0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 85 kDa	

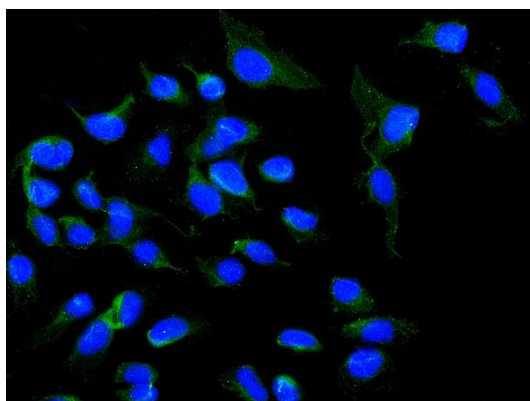
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
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

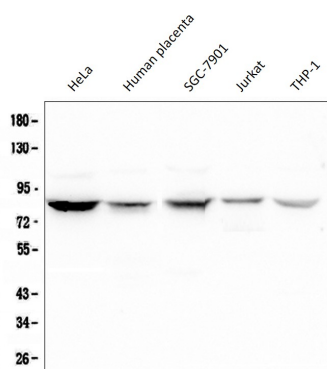
Gene Symbol	NOX5
Gene Full Name	NADPH oxidase, EF-hand calcium binding domain 5
Background	This gene is predominantly expressed in the testis and lymphocyte-rich areas of spleen and lymph nodes. It encodes a calcium-dependen NADPH oxidase that generates superoxide, and functions as a calcium-dependent proton channel that may regulate redox-dependent processes in lymphocytes and spermatozoa. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011]
Function	Calcium-dependent NADPH oxidase that generates superoxide. Also functions as a calcium-dependent proton channel and may regulate redox-dependent processes in lymphocytes and spermatozoa. May play a role in cell growth and apoptosis. Isoform v2 and isoform v5 are involved in endothelial generation of reactive oxygen species (ROS), proliferation and angiogenesis and contribute to endothelial response to thrombin. [UniProt]
Calculated Mw	86 kDa
Cellular Localization	Membrane; Multi-pass membrane protein. Isoform v2: Endoplasmic reticulum. Isoform v5: Endoplasmic reticulum. [UniProt]

Images



ARG59898 anti-NOX5 antibody ICC/IF image

Immunofluorescence: HeLa cells were blocked with 10% goat serum and then stained with ARG59898 anti-NOX5 antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



ARG59898 anti-NOX5 antibody WB image

Western blot: 50 µg of samples under reducing conditions. HeLa, Human placenta, SGC-7901, Jurkat and THP-1 cell lysates stained with ARG59898 anti-NOX5 antibody at 0.5 µg/ml, overnight at 4°C.