G-Biosciences Image not found or type unknown

Immunotag™ NOX4 Antibody

Antibody Specification

Catalog No.	ITA7001
Product Description	Immunotag™ NOX4 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	NOX4
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human NOX4
Specificity	NOX4 Antibody detects endogenous levels of total NOX4
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	NOX4
Accession No.	Q9NPH5
Alternate Names	Kidney oxidase 1; Kidney oxidase-1; Kidney superoxide producing NADPH oxidase; Kidney superoxide-producing NADPH oxidase; KOX 1; KOX; Kox-1; KOX1; NADPH; NADPH oxidase 4; Nox4; NOX4_HUMAN; Renal NAD(P)H oxidase; Renal NAD(P)H-oxidase; RENOX;

Antibody Specification

Description	Constitutive NADPH oxidase which generates superoxide intracellularly upon formation of a complex with CYBA/p22phox. Regulates signaling cascades probably through phosphatases inhibition. May function as an oxygen sensor regulating the KCNK3/TASK-1 potassium channel and HIF1A activity. May regulate insulin signaling cascade. May play a role in apoptosis, bone resorption and lipolysaccharide-mediated activation of NFKB. May produce superoxide in the nucleus and play a role in regulating gene expression upon cell stimulation. Isoform 3 is not functional. Isoform 5 and isoform 6 display reduced activity.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	67kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.