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Anti-NOX2 Rabbit mAb [98D08]

Catalog No.: A52135

Basic Information

Catalog No. (Cat.No.)	A52135
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IF,ELISA
Synonyms	NOX2,gp91phox,NOX2,NADPH oxidase 2

Product Information

Target	NOX2
Molecular Weight(Calculated)	65 kDa
Molecular Weight(Observed)	65 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	98D08
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
ELISA	1:5000-1:20000

Target Information

Protein Name	NADPH oxidase-2
Gene Name	*CYBB*
Domain	NA
Background	NOX2 (NADPH Oxidase 2) is a key subtype protein of the NADPH oxidase family, mainly expressed in immune and vascular-related cells such as macrophages, neutrophils and vascular endothelial cells. It coregulates in vivo reactive oxygen species (ROS) generation, inflammatory response, immune defense and oxidative stress. NOX2 catalyzes NADPH oxidation to produce ROS, mediates antibacterial immune defense and regulates the activation of inflammatory signaling pathways. Excessive abnormal activation of NOX2 causes massive ROS accumulation, triggers oxidative damage and inflammatory cascade reactions, continuously driving the progression of vascular inflammation, atherosclerosis, pulmonary inflammation and autoimmune diseases, and promoting tumor microenvironment inflammatory remodeling.