Product datasheet Anti-NOX2/CYBB Antibody Catalog Number: BM4576

BOSTER antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

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Basic Information	
Anti-NOX2/CYBB Antibody	
СҮВВ	
Rabbit	
IgG	
human, mouse, rat	
WB	
500 ug/ml;Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.	
A synthesized peptide derived from human CYBB	
500 ug/ml	
Affinity-chromatography	
65KD	
Western blot (WB):1:500-2000	

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

NOX2(NADPH OXIDASE 2), also called CYBB(CYTOCHROME b(-245), BETA SUBUNIT), p91-PHOX or GP91-1, is a human gene encoding a glycoprotein. NOX2 is an essential component of phagocytic NADPH-oxidase, a membrane-bound enzyme complex that generates large quantities of microbicidal superoxide and other oxidants upon activation. It is mapped on Xp11.4. NOX2 assembled on DC phagosomes in a gp91-phox subunit-dependent manner, and that reactive oxygen species were produced in a more sustained manner in immature DC phagosomes than in macrophage phagosomes. As a major player in innate immune responses in neutrophils, NOX2 is also involved in adaptive immunity through its activity in DCs. In heart cells, physiologic stretch rapidly activates reduced-form NOX2 to produce reactive oxygen species (ROS) in a process dependent on microtubules (X-ROS signaling).

Selected Validation Data

Product datasheet

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