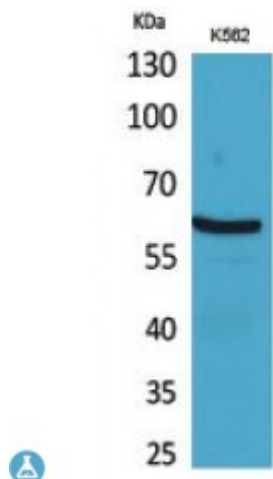


Anti-gp91-phox antibody



Description	Rabbit polyclonal to gp91-phox.
Model	STJ96748
Host	Rabbit
Reactivity	Human
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human gp91-phox.
Immunogen Region	Internal
Gene ID	1536
Gene Symbol	CYBB
Dilution range	WB 1:500-1:2000IHC-P 1:100-1:300ELISA 1:20000
Specificity	gp91-phox Polyclonal Antibody detects endogenous levels of gp91-phox protein.
Tissue Specificity	Detected in neutrophils (at protein level).
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Cytochrome b-245 heavy chain CGD91-phox Cytochrome b 558 subunit beta Cytochrome b558 subunit beta Heme-binding membrane glycoprotein gp91phox NADPH oxidase 2 Neutrophil cytochrome b 91 kDa polypeptide Super

Molecular Weight	65 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:25780 MIM:300481
Alternative Names	Cytochrome b-245 heavy chain CGD91-phox Cytochrome b 558 subunit beta Cytochrome b558 subunit beta Heme-binding membrane glycoprotein gp91phox NADPH oxidase 2 Neutrophil cytochrome b 91 kDa polypeptide Super
Function	Critical component of the membrane-bound oxidase of phagocytes that generates superoxide. It is the terminal component of a respiratory chain that transfers single electrons from cytoplasmic NADPH across the plasma membrane to molecular oxygen on the exterior. Also functions as a voltage-gated proton channel that mediates the H(+) currents of resting phagocytes. It participates in the regulation of cellular pH and is blocked by zinc.
Cellular Localization	Cell membrane. Multi-pass membrane protein.
Post-translational Modifications	Glycosylated. Phosphorylated on Ser and Thr residues.