

For Research Use Only

NOX2 Recombinant antibody

Catalog Number: 82872-1-RR



Basic Information

Catalog Number: 82872-1-RR	GenBank Accession Number: BC032720	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1536	CloneNo.: 1B17
Source: Rabbit	Full Name: cytochrome b-245, beta polypeptide	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Calculated MW: 577 aa, 65 kDa	
Immunogen Catalog Number: AG4402	Observed MW: 55 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse spleen tissue, rat spleen tissue
Species Specificity: Human, Mouse, Rat	

Background Information

NOX2, also named as CYBB, CGD, 91-phox, gp91-1, gp91-phox, p22 phagocyte B-cytochrome, cytochrome b-245 and beta polypeptide, is a 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. This full length protein has three glycosylation sites. CYBB is found in human cardiomyocytes as multiple bands: the signal between 55 and 65 kDa is probably the unglycosylated protein, because the predicted molecular weight of unglycosylated CYBB protein is approximately 58 kDa (PMID: 17587483) to 65 kDa in phagocytes and the bands around 80 kDa probably represent glycosylated CYBB, as has also been shown in human umbilical vein endothelial cells (PMID: 12610097). In other reports, it also can be detected a band of 91 kDa (PMID: 19965781).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

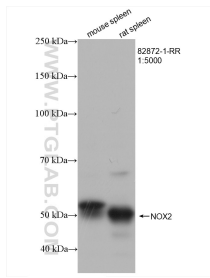
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82872-1-RR (CYBB antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.