

NOX2 Recombinant antibody

Catalog Number: 82872-1-RR

Basic Information

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|--|---|--|
| Catalog Number: 82872-1-RR | GenBank Accession Number: BC032720 | Purification Method: Protein A purification |
| Size: 1000 µg/ml | GeneID (NCBI): 1536 | CloneNo.: 1B17 |
| Source: Rabbit | UNIPROT ID: P04839 | Recommended Dilutions: WB 1:2000-1:10000 IF 1:1000-1:4000 |
| Isotype: IgG | Full Name: cytochrome b-245, beta polypeptide | |
| Immunogen Catalog Number: AG4402 | Calculated MW: 577 aa, 65 kDa | |
| | Observed MW: 55 kDa | |

Applications

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| Tested Applications: WB, IF-P, ELISA | Positive Controls: WB : mouse spleen tissue, rat spleen tissue IF : mouse 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

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

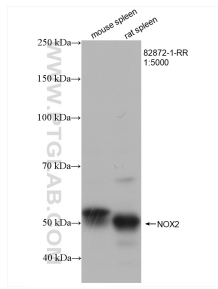
T: 4006900926

E: Proteintech-CN@ptglab.com

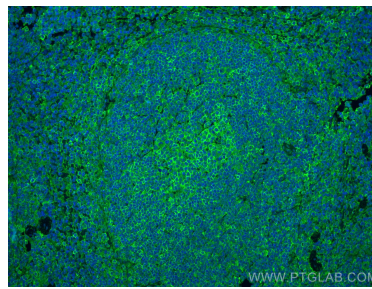
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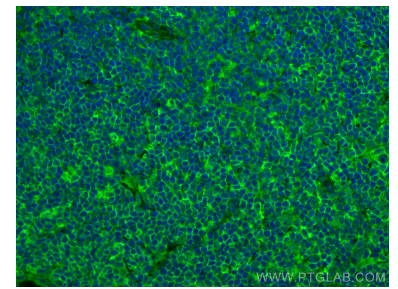
Selected Validation Data



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.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using NOX2 antibody (82872-1-RR, Clone: 1B17) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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