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NOX2 / gp91phox Antibody (clone 48)

Mouse Monoclonal Antibody
Catalog # ALS14436

Specification

NOX2 / gp91phox Antibody (clone 48) - Product Information

Application	**IHC**
Primary Accession	P04839
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**65kDa KDa**

NOX2 / gp91phox Antibody (clone 48) - Additional Information

Gene ID 1536

Other Names
Cytochrome b-245 heavy chain, 1.-.-.-, 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, Superoxide-generating NADPH oxidase heavy chain subunit, gp91-1, gp91-phox, p22 phagocyte B-cytochrome, CYBB, NOX2

Reconstitution & Storage
Store at -20°C. Aliquot to avoid freeze/thaw cycles.

Precautions
NOX2 / gp91phox Antibody (clone 48) is for research use only and not for use in diagnostic or therapeutic procedures.

NOX2 / gp91phox Antibody (clone 48) - Protein Information

Name CYBB (HGNC:2578)

Synonyms NOX2

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 Location
Cell membrane; Multi-pass membrane protein. Note=As unassembled monomer may localize to the endoplasmic reticulum

Tissue Location

Detected in neutrophils (at protein level).

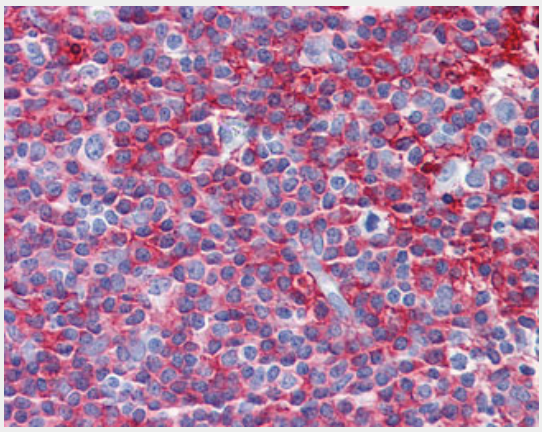
Volume
50 µl

NOX2 / gp91phox Antibody (clone 48) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NOX2 / gp91phox Antibody (clone 48) - Images



Anti-NOX2 antibody IHC of human tonsil.

NOX2 / gp91phox Antibody (clone 48) - Background

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NOX2 / gp91phox Antibody (clone 48) - References

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