

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).

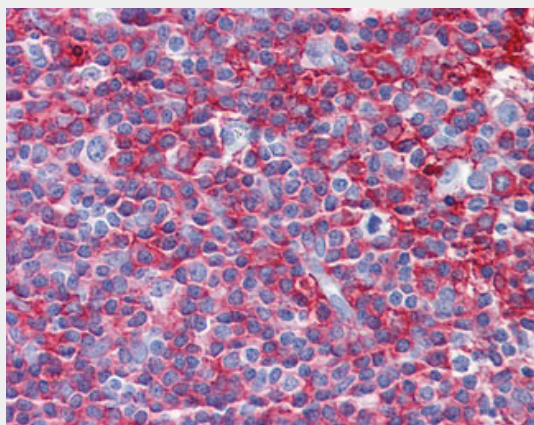
Volume
50 µl

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 Cytometry](#)
- [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

Royer-Pokora B., et al. Nature 322:32-38(1986).
Jirapongsananuruk O., et al. Clin. Immunol. 104:73-76(2002).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases.
Dinauer M.C., et al. Nature 327:717-720(1987).