

Anti-p67phox Antibody (9W409)

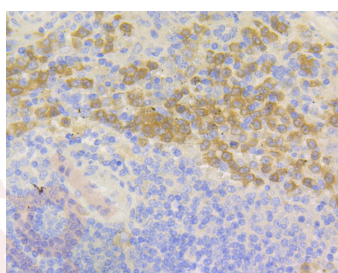
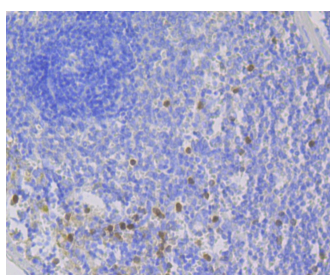
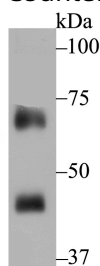
Product Details

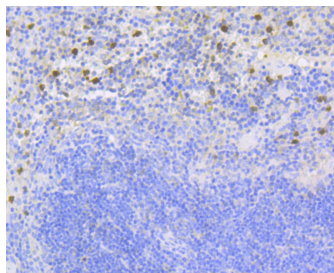
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 60/47 kDa.
Clone:	9W409
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of NOXA2 on rat spleen tissue lysate using anti-NOXA2 antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded rat spleen tissue using anti-NOXA2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-NOXA2 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-NOXA2 antibody. Counter stained with hematoxylin.





Application: IHC,IP,WB

Recommended WB: 1:500; IHC: 1:50-200; IP: 1:10-50

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: Human NOXA2 aa 150-300

Antigen Species: Human

Uniprot ID: P19878

Synonyms: NOXA2;neutrophil cytosolic factor 2;P67-PHOX;P67PHOX;NCF-2

Research Background

The heredity disease chronic granulomatous disease (CGF) has been linked to mutations in p47phox and p67phox. The cytosolic proteins p47phox and p67phox, also designated neutrophil cytosol factor 1(NCF1) and NCF2, respectively, are required for activation of the superoxide-producing NADPH oxidase in neutrophils and other phagocytic cells. During activation of the NADPH oxidase, p47phox and p67phox migrate to the plasma membrane where they associate with cytochrome b558 and the small G protein Rac to form the functional enzyme complex. Both p47phox and p67phox contain two Src homology 3 (SH3) domains. The C-terminal SH3 domain of p67phox has been shown to interact with the proline rich domain of p47phox, suggesting that p47phox may facilitate the transport of p67phox to the membrane.

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