

## Anti-NOXA2/p67phox Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

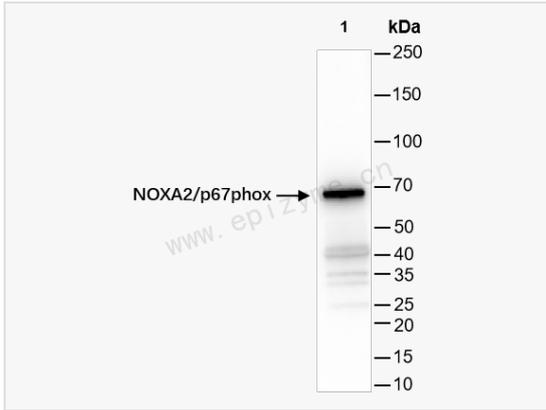
Catalog # R014558

### Product Information

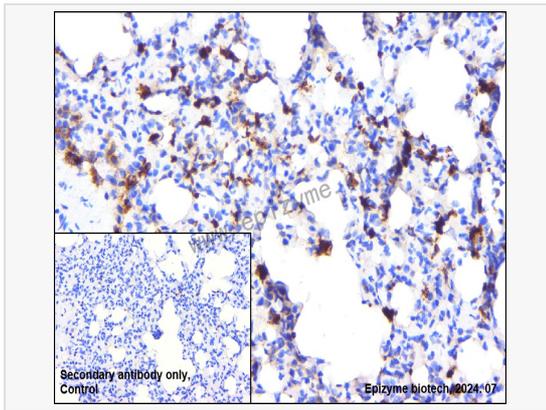
Application	ELISA, WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC
Reactivity	Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	72A78B84
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human NOXA2/p67phox
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-NOXA2/p67phox Rabbit mAb [72A78B84] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

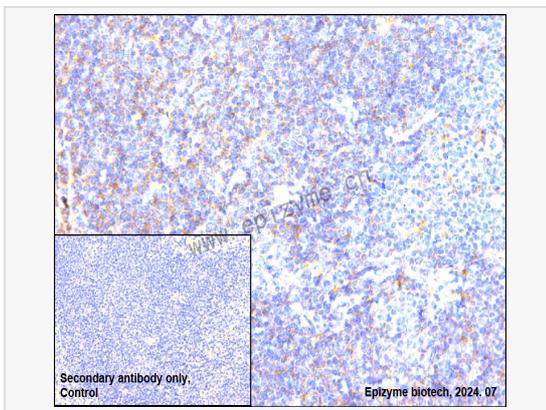
Synonyms	67 kDa neutrophil oxidase factor, Chronic granulomatous disease autosomal 2, FLJ93058, NADPH oxidase activator 2, NCF-2, Ncf2, NCF2_HUMAN, Neutrophil cytosol factor 2, Neutrophil cytosolic factor 2 (65kD, chronic granulomatous disease, autosomal 2), Neutrophil NADPH oxidase factor 2, NOXA2, P67 PHOX, p67-phox, p67phox.
Calculated MW	Calculated MW: 60 kDa; Observed MW: 67 kDa
Uniprot ID	P19878
Gene ID	4688
Background	NCF2, NCF1, and a membrane bound cytochrome b558 are required for activation of the latent NADPH oxidase (necessary for superoxide production).
Cellular Location	Cytoplasm.



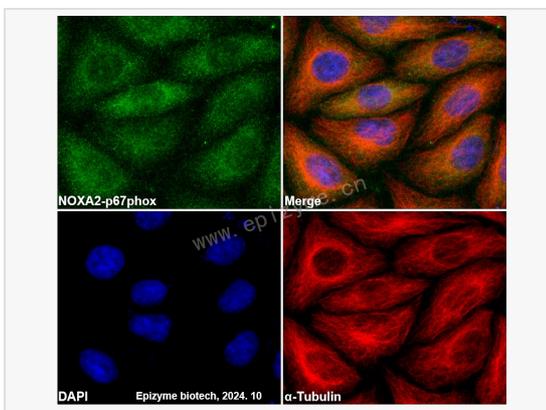
Western Blot - Anti-NOXA2/p67phox Rabbit mAb [72A78B84]  
 All lanes: R014558 at 1:1,000 dilution  
 Lane 1: Rat spleen whole tissue lysates  
 Lysates/proteins at 10 µg per lane.  
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution  
 Predicted band size: 60 kDa  
 Observed band size: 67 kDa  
 Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-NOXA2/p67phox Rabbit mAb [72A78B84]  
 Sample: Paraformaldehyde-fixed, paraffin embedded rat lung tissue  
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.  
 Primary antibody: R014558 at 1:200 dilution  
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
 DAB was used as the chromogen.  
 Counter stained with hematoxylin.  
 Positive/negative staining were presented.  
 Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-NOXA2/p67phox Rabbit mAb [72A78B84]  
 Sample: Paraformaldehyde-fixed, paraffin embedded mouse brain tissue  
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.  
 Primary antibody: R014558 at 1:200 dilution  
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
 DAB was used as the chromogen.  
 Counter stained with hematoxylin.  
 Positive/negative staining were presented.  
 Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-NOXA2/p67phox Rabbit mAb [72A78B84]  
 Sample: HeLa cells  
 The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.  
 Primary antibodies: R014558 at 1:100 dilution and alpha-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution  
 Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)  
 Nuclei were stained with DAPI (shown in blue).