



Rabbit Anti-NOXA2 antibody

SL21423R

Product Name:	NOXA2
Chinese Name:	NADPH氧化酶活化蛋白1抗体
Alias:	NCF-2; Ncf2; Neutrophil NADPH oxidase factor 2; p67-phox; p67phox; neutrophil cytosol factor 2 isoform 1; neutrophil cytosolic factor 2 (65kD, chronic granulomatous disease, autosomal 2); NADPH oxidase activator 2; neutrophil cytosol factor 2; 67 kDa neutrophil oxidase factor; NCF2 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	58kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NOXA2:142-242/526
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes neutrophil cytosolic factor 2, the67-kilodalton cytosolic subunit of the multi-protein NADPH oxidase complex found in neutrophils. This oxidase produces a burst of superoxide which is delivered to the lumen of the neutrophil phagosome. Mutations in this gene, as well as in other NADPH oxidase subunits, can result in

chronic granulomatous disease, a disease that causes recurrent infections by catalase-positive organisms. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq].

Function:

NCF2, NCF1, and a membrane bound cytochrome b558 are required for activation of the latent NADPH oxidase (necessary for superoxide production).

Subunit:

Component of an NADPH oxidase complex composed of a heterodimer formed by the membrane proteins CYBA and CYBB and the cytosolic subunits NCF1, NCF2 and NCF4. Interacts with NCF4. Interacts (via the C-terminal SH3 domain) with NCF1 (via C-terminus). Interacts with SYTL1 and RAC1. May interact with NOXO1. Interacts with S100A8 and calprotectin (S100A8/9).

Subcellular Location:

Cytoplasm.

DISEASE:

Granulomatous disease, chronic, cytochrome-b-positive 2, autosomal recessive (CGD2) [MIM:233710]: A disorder characterized by the inability of neutrophils and phagocytes to kill microbes that they have ingested. Patients suffer from life-threatening bacterial/fungal infections.

Similarity:

Belongs to the NCF2/NOXA1 family. {ECO:0000305}.

Contains 1 PB1 domain.

Contains 2 SH3 domains.

SWISS:

P19878

Gene ID:

4688

Database links:

[Entrez Gene: 4688](#)Human

[Entrez Gene: 17970](#)Mouse

[Entrez Gene: 364018](#)Rat

[Omim: 608515](#)Human

[SwissProt: P19878](#)Human

[SwissProt: O70145](#)Mouse

[SwissProt: Q3U5S4](#)Mouse

[SwissProt: A7E3N2](#)Rat

[Unigene: 587558](#)Human

[Unigene: 270307](#)Mouse

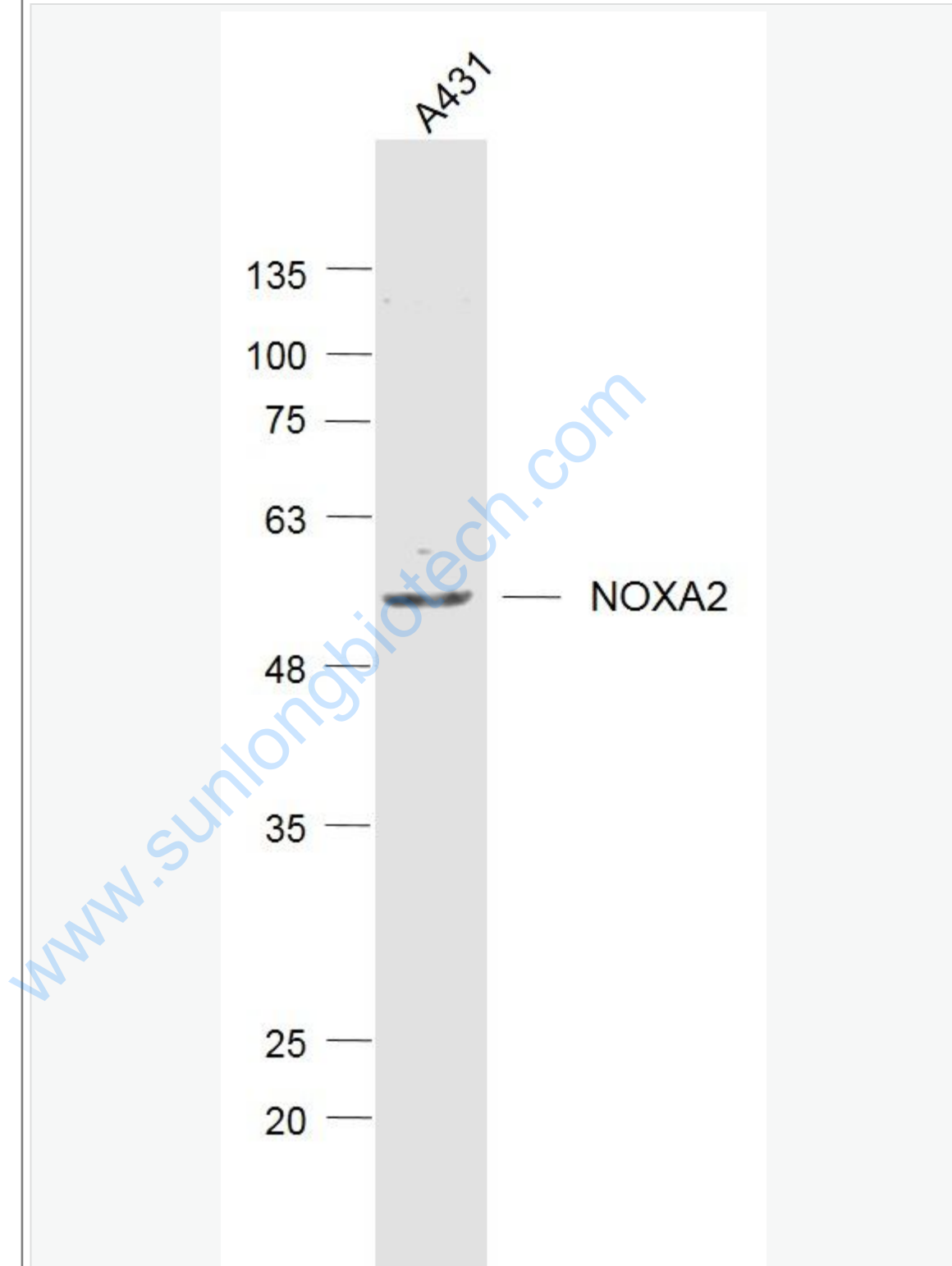
[Unigene: 162331](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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Picture:



Sample:

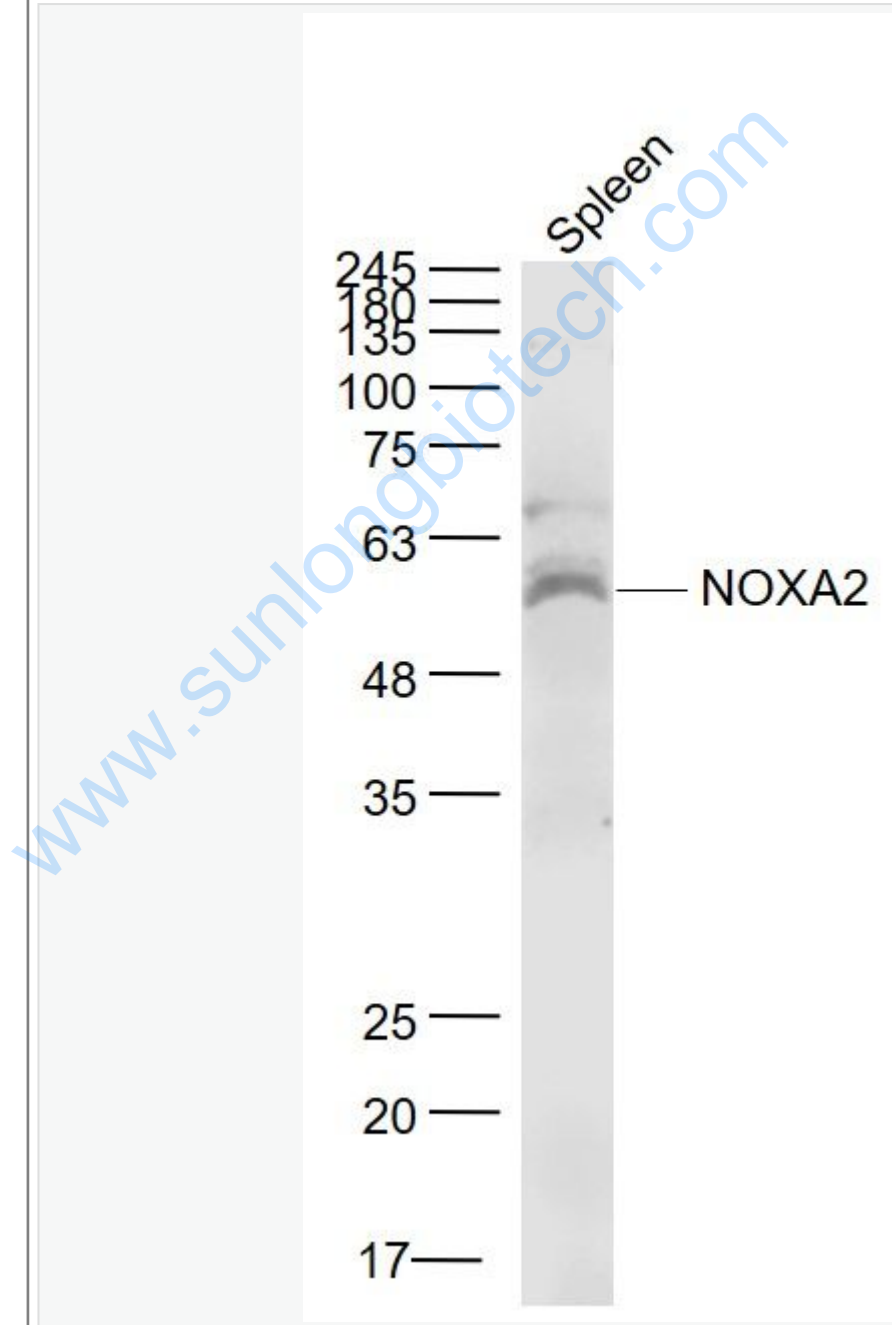
A431(Human) Cell Lysate at 30 ug

Primary: Anti- NOXA2 (SL21423R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 58 kD

Observed band size: 58 kD



Sample:

Spleen (Mouse) Lysate at 40 ug

Primary: Anti- NOXA2 (SL21423R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 58 kD

Observed band size: 58 kD

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