

# NCF1 Rabbit mAb

Catalog # AP78299

## Product Information

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<b>Application</b>	WB, IP
<b>Primary Accession</b>	<a href="#">P14598</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human NCF1
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	44682

## Additional Information

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<b>Gene ID</b>	653361
<b>Other Names</b>	NCF1
<b>Dilution</b>	WB~~1/500-1/1000 IP~~N/A
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	NCF1 ( <a href="#">HGNC:7660</a> )
<b>Synonyms</b>	NOXO2, SH3PXD1A
<b>Function</b>	<p>Subunit of the phagocyte NADPH oxidase complex that mediates the transfer of electrons from cytosolic NADPH to O<sub>2</sub> to produce the superoxide anion (O<sub>2</sub><sup>-</sup>) (PubMed:<a href="#">2547247</a>, PubMed:<a href="#">2550933</a>, PubMed:<a href="#">38355798</a>). In the activated complex, electrons are first transferred from NADPH to flavin adenine dinucleotide (FAD) and subsequently transferred via two heme molecules to molecular oxygen, producing superoxide through an outer-sphere reaction (PubMed:<a href="#">38355798</a>). Activation of the NADPH oxidase complex is initiated by the assembly of cytosolic subunits of the NADPH oxidase complex with the core NADPH oxidase complex to form a complex at the plasma membrane or phagosomal membrane (PubMed:<a href="#">38355798</a>). This activation process is initiated by phosphorylation dependent binding of the cytosolic NCF1/p47-phox subunit to the C-terminus of CYBA/p22-phox</p>

(PubMed:[12732142](#), PubMed:[19801500](#)).

**Cellular Location**

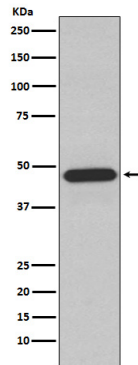
Cytoplasm, cytosol. Membrane; Peripheral membrane protein; Cytoplasmic side

**Tissue Location**

Detected in peripheral blood monocytes and neutrophils (at protein level).

## Images

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