

Rabbit anti-Human p47 phox Polyclonal Antibody | anti-p47 phox antibody

p47 phox (Phospho-Ser345) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302321	Rabbit	Human	Immunohistochemistry, Western Blot

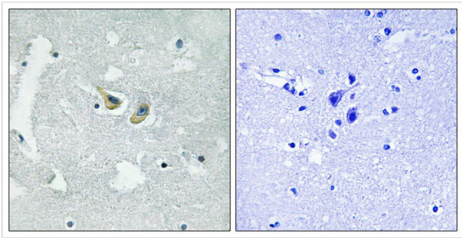
PRODUCT SYNONYMS

p47 phox; Polyclonal Antibody; p47 phox (Phospho-Ser345) Antibody; NCF1; P47 phox; NCF-47K; anti-p47 phox antibody

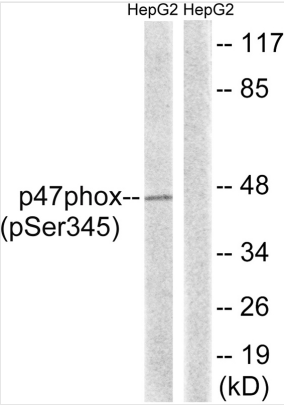
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of p47 phox only when phosphorylated at serine 345.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	390
Applicable Applications for anti-p47 phox antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 345(P-Q-S(p)-P-G) derived from Human Nuclear p47 phox.
Modification	Phospho-Ser345
Target Name	p47 phox
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human brain tissue using p47 phox (Phospho-Ser345) antibody (left) or the same antibody preincubated with blocking peptide (right).



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells treated with TNF using p47 phox (Phospho-Ser345) Antibody. The lane on the right is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-p47 phox antibody	NCF2, NCF1, and a membrane bound cytochrome b558 are required for activation of the latent NADPH oxidase (necessary for superoxide production). Volpp B.D., Proc. Natl. Acad. Sci. U.S.A. 86:7195-7199(1989). Lomax K.J., Science 245:409-412(1989). Rodaway A.R.F., Mol. Cell. Biol. 10:5388-5396(1990).
Product Categories/Family for anti-p47 phox antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	528078313
NCBI GeneID	653361
NCBI Accession #	NP_000256.4
NCBI GenBank Nucleotide #	NM_000265.5
UniProt Accession #	P14598; O43842; Q2PP07; Q53FR5; Q9BU90; Q9BXI7; Q9BXI8; Q9UDV9; Q9UMU2; A6NEH2; A8K7S9
Molecular Weight	30,781 Da
NCBI Official Full Name	neutrophil cytosol factor 1
NCBI Official Synonym Full Names	neutrophil cytosolic factor 1
NCBI Official Symbol	NCF1
NCBI Official Synonym Symbols	NCF1A; NOXO2; p47phox; SH3PXD1A
NCBI Protein Information	neutrophil cytosol factor 1
UniProt Protein Name	Neutrophil cytosol factor 1
UniProt Gene Name	NCF1
UniProt Synonym Gene Names	NOXO2; SH3PXD1A; NCF-1
UniProt Entry Name	NCF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.