

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

p47 phox (Ab-345) Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA304858 | Rabbit | Human      | Immunohistochemistry, Western Blot |

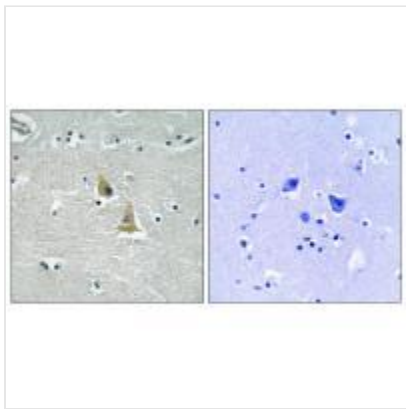
### PRODUCT SYNONYMS

p47 phox; Polyclonal Antibody; p47 phox (Ab-345) Antibody; 47 kDa autosomal chronic granulomatous disease protein; 47 kDa neutrophil oxidase factor; NCF-1; NCF-47K; NCF1; anti-p47 phox antibody

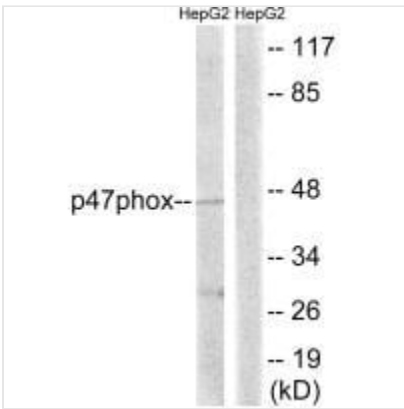
### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                    |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                                                                                             |
| Reactivity                                         | Human                                                                                                                                              |
| Clonality                                          | Polyclonal                                                                                                                                         |
| Specificity                                        | The antibody detects endogenous levels of total p47 phox protein.                                                                                  |
| Purity/Purification                                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                              |
| Form/Format                                        | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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                                                                                                                                            |
| Immunogen Description                              | Synthesized non-phosphopeptide derived from human p47 phox around the phosphorylation site of serine 345 (P-Q-S(p)-P-G).                           |
| Target Name                                        | p47 phox                                                                                                                                           |
| Preparation and Storage                            | Store at -20 degree C                                                                                                                              |

IMAGES



**IHC (Immunohiostchemistry)**  
Immunohistochemistry analysis of paraffin-embedded human brain tissue using p47 phox (Ab-345) antibody.



**WB (Western Blot)**  
Western blot analysis of extracts from HepG2 cells, treated with TNF (20ng/ml, 5mins), using p47 phox (Ab-345) antibody.

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   | Total protein 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.