

p47 phox (Phospho-Ser345) Antibody

Catalog No: #11811



Package Size: #11811-1 50ul #11811-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

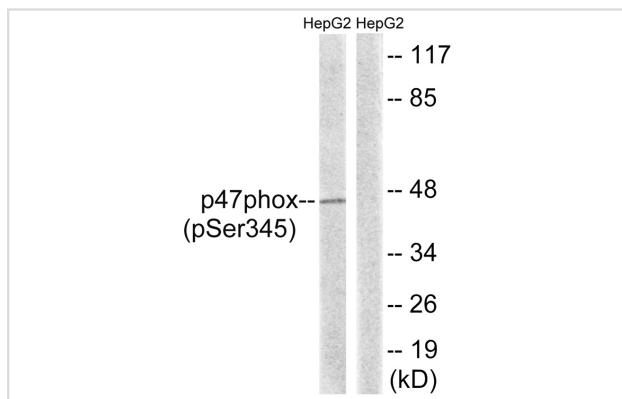
Product Name	p47 phox (Phospho-Ser345) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of p47 phox only when phosphorylated at serine 345.
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.
Target Name	p47 phox
Modification	Phospho
Other Names	NCF1; P47 phox; NCF-47K;
Accession No.	Swiss-Prot#: P14598; NCBI Gene#: 653361; NCBI Protein#: NP_000256.4.
Uniprot	P14598
GeneID	653361;
SDS-PAGE MW	45kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

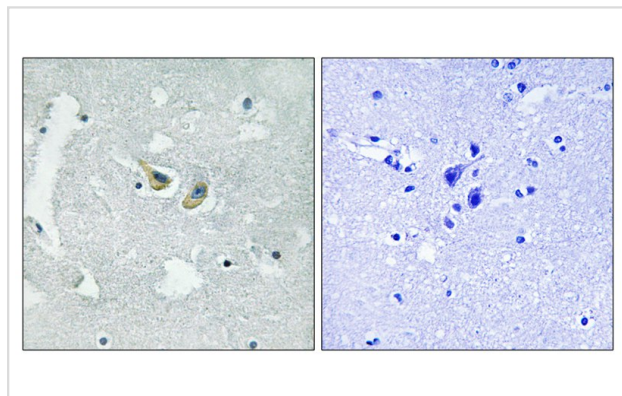
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HepG2 cells treated with TNF using p47 phox (Phospho-Ser345) Antibody #11811. The lane on the right is treated with the antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human brain tissue using p47 phox (Phospho-Ser345) antibody #11811 (left) or the same antibody preincubated with blocking peptide (right).

Background

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).

Note: This product is for in vitro research use only