n-NOS (Phospho-Ser852) Antibody

Catalog No: #11975

Package Size: #11975-1 50ul #11975-2 100ul

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

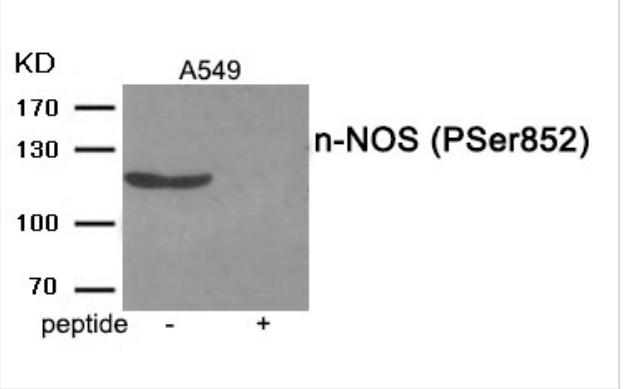
Description

Product Name	n-NOS (Phospho-Ser852) 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 chromatogramphy using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of n-NOS only when phosphorylated at serine 852.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 852(F-N-S(p)-V-S) derived from Human n-NOS .
Target Name	n-NOS
Modification	Phospho
Other Names	bNOS; Constitutive NOS; IHPS1; N-NOS; NC-NOS
Accession No.	Swiss-Prot#: P29475; NCBI Gene#: 4842; NCBI Protein#: NP_000611.1
SDS-PAGE MW	120 160kd
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

Images



Western blot analysis of extracts from A549 tissue using n-NOS (Phospho-Ser852) antibody #11975.The lane on the right is treated with the antigen-specific peptide.

Background

Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In the brain and peripheral nervous system, NO displays many properties of a neurotransmitter. Probably has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such SRR.

Capettini LS, et al. (2011) DBr J Pharmacol 164, 1738-48

Ferreira JM, Burnett AL, Rameau GA (2011) J Neurosci 31, 1991-9

Chaudhury A, Rao YM, Goyal RK (2008) Am J Physiol Gastrointest Liver Physiol 295, G442-51

Note: This product is for in vitro research use only and is not intended for use in humans or animals.