eNOS(Ab-1177) Antibody

Catalog No: #21170

Package Size: #21170-1 50ul #21170-2 100ul #21170-4 25ul

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

Description

Product Name	eNOS(Ab-1177) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total eNOS protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.1175~1179 (T-Q-S-F-S) derived from Human eNOS.
Target Name	eNOS
Other Names	Constitutive NOS; EC-NOS; ECNOS; NOS3; NOSIII
Accession No.	Swiss-Prot: P29474NCBI Protein: NP_000594.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL 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 for long term preservation (recommended). Store at 4°C for short term use.

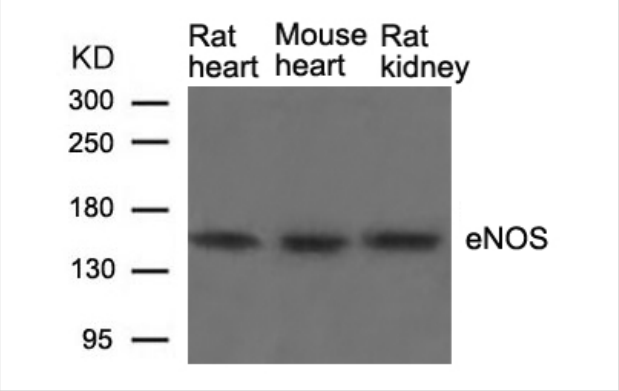
Application Details

Predicted MW: 140kd

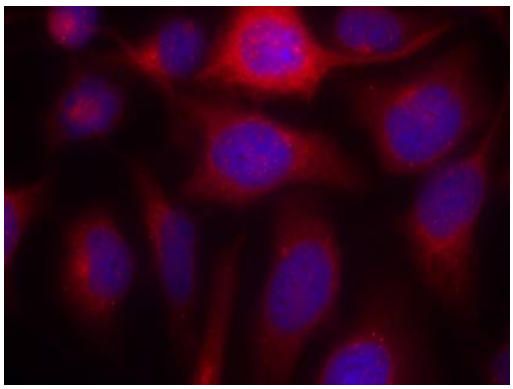
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from Rat heart, Mouse heart and Rat kidney tissue using eNOS(Ab-1177) Antibody #21170.



Immunofluorescence staining of methanol-fixed Hela cells using eNOS(Ab-1177) Antibody #21170.

Background

Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets.

Fulton, D. et al. (1999) Nature 399, 597-601.

Harris, M.B. et al. (2001) J. Biol. Chem. 276, 16587-16591.

Thomas, S.R. et al. (2002) J. Biol. Chem. 277, 6017-6024.

Published Papers

Jian Jiao, Hong Wang, Wei Lou el at., Regulation of ciliary beat frequency by the nitric oxide signaling pathway in mouse nasal and tracheal epithelial cells., Experimental Cell Research, 317(17):2548-2553(2011)

PMID:21787770

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