

eNOS(Ab-1177) Antibody

Catalog No: #21170

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

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
Uniprot	P29474
GeneID	4846;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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.

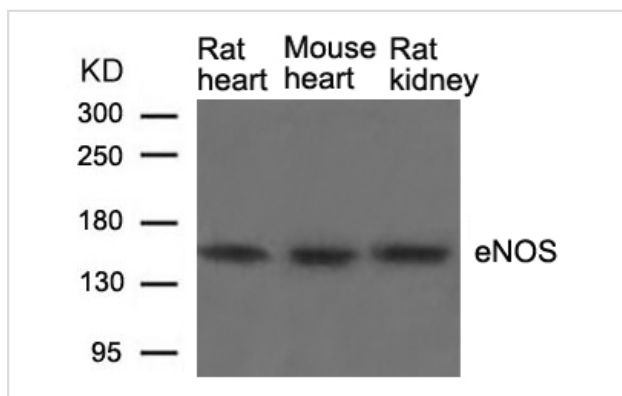
Application Details

Predicted MW: 140kd

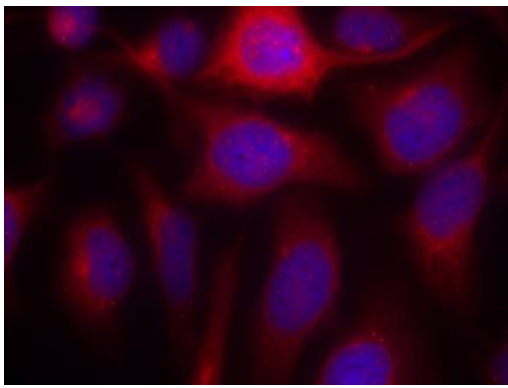
Western blotting: 1:500~1:1000

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.

Note: This product is for in vitro research use only