

35-1149: Polyclonal Antibody to eNOS (Phospho-Ser1177)

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human,Mouse,Rat
Gene :	NOS3
Gene ID :	4846
Uniprot ID :	P29474
Format :	Purified
Alternative Name :	Constitutive NOS, EC-NOS, ECNOS, NOS3, NOSIII
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around phosphorylation site of serine 1177 (T-Q-S(p)-F-S) derived from Human eNOS.

Description

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.

Product Info

Amount :	50 µl / 100 µl
Content :	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 condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 133kd, Western blotting: 1:500~1:1000

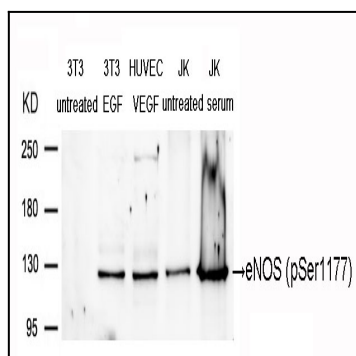


Figure 1: Western blot analysis of extracts from 3T3 cells untreated and treated with EGF, HUVEC cells treated with VEGF, JK cells untreated and treated with serum using eNOS (Phospho-Ser1177) Antibody preincubated with blocking peptide(right).