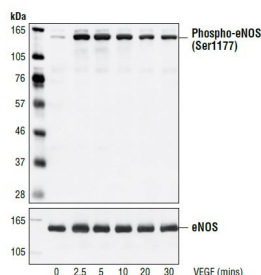


Cat. No: AB-83619
Conjugate: Unconjugated
Size: 100 ug
Clone: Poly
Concentration: 1mg/ml
Host: Rb
Isotype: IgG
Reactivity: Hu, Ms
Applications: WB: 1:500-1:2000 IHC: 1:50-1:200
Molecular Weight: 133 kDa

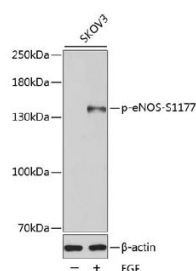
Purification: Polyclonal antibodies are produced by immunizing rabbits with a synthetic phospho-peptide (KLH-coupled) corresponding to residues surrounding Ser1177 of human eNOS. Antibodies are purified by protein A and peptide affinity chromatography.

Background: Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. Nitric oxide is synthesized from L-arginine by nitric oxide synthases. Variations in this gene are associated with susceptibility to coronary spasm. Alternative splicing and the use of alternative promoters results in multiple transcript variants. Phospho-eNOS (Ser1177) Antibody detects endogenous levels of eNOS only when phosphorylated at Ser1177.

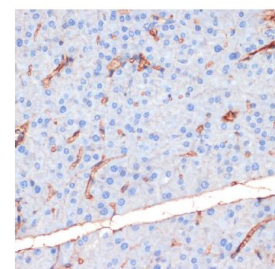
Form: liquid
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Storage: Store at -20°C, and avoid repeat freeze-thaw cycles.



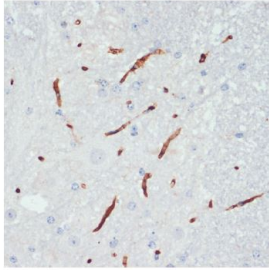
Western blot analysis of extracts from bovine aortic endothelial cells (BAECs), untreated or VEGF-treated (50 ng/ml) for the indicated times, using Phospho-eNOS (Ser1177) Antibody (upper) or control eNOS antibody (lower).



Western blot analysis of extracts of SKOV3 cells, using Phospho-eNOS-S1177 antibody (AP0515). SKOV3 cells were treated by EGF. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.



Immunohistochemistry of paraffin-embedded mouse pancreas using Phospho-eNOS-S1177 antibody at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffinembedded mouse spinal cord using Phospho-NOS3-S1177 antibody at dilution of 1:200 (40x lens).

References

- (1) Fulton, D. et al. (2001) *J. Pharmacol. Exp. Ther.* 299, 818-824. (2) Shaul, P.W. (2002) *Annu. Rev. Physiol.* 64, 749-774. (3) Chen, Z.P. et al. (1999) *FEBS Lett.* 443, 285-289. (4) Dimmeler, S. et al. (1999) *Nature* 399, 601-605. (5) Fulton, D. et al. (1999) *Nature* 399, 597-601. (6) Harris, M.B. et al. (2001) *J. Biol. Chem.* 276, 16587-16591. (7) Thomas, S.R. et al. (2002) *J. Biol. Chem.* 277, 6017-6024.

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