

uNOS Polyclonal Antibody

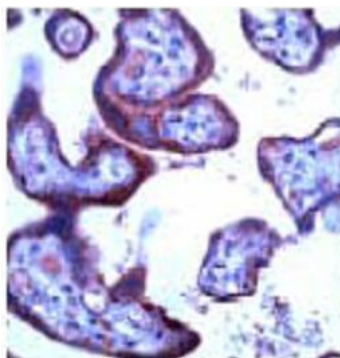
Product Specifications	
Catalog Number:	905-611
Host:	Rabbit
Species Reactivity:	Human, mouse, rat, bovine, and pig (others not tested)
Applications: <i>The optimal dilution for a specific application must be determined by the investigator</i>	WB: Yes IHC: 1:50 for 10 min at RT <i>Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.</i>
Predicted m.w.:	eNOS: ~155 kDa iNOS: ~130 kDa nNOS: ~135 kDa
Concentration:	See product label
Purification:	Affinity Purified
Format:	PBS, pH 7.4, with BSA and sodium azide
Storage: <i>Shipping conditions may differ from the recommended storage temperature</i>	Store at 4°C
Immunogen:	Synthetic peptide derived from a sequence near the Carboxy-terminus of mouse iNOS and nNOS
Related Products:	
SAB-300	Goat anti-Rabbit IgG Polyclonal Antibody, HRP Conjugate
KAP-NO020	eNOS Polyclonal Antibody
KAP-NO021	eNOS Polyclonal Antibody
KAP-NO030	nNOS Polyclonal Antibody
KAP-NO032	nNOS (phospho-Ser1417) Polyclonal Antibody
KAS-NO001	iNOS Polyclonal Antibody
905-657	eNOS (phospho-Ser1177) Monoclonal Antibody (15E2)

Background:

The diffusible free radical gas nitric oxide (NO) affects a variety of physiological functions, and is a key regulator of the cardiovascular, nervous, and immune systems¹⁻². NO is synthesized in many tissues from L-arginine, oxygen, and NADPH by three known isoforms of a heme-containing flavoprotein termed NO synthase (nNOS/NOS-I, iNOS/NOS-II, and eNOS/NOS-III)³⁻⁵. The universal NOS (uNOS) antibody detects all three NOS isoforms.

References:

1. Marletta, M. (1994) Cell **78**, 927-930.
2. Nathan, C., et al. (1994) Cell **78**, 915-918.
3. Bredt, D.S., et al. (1991) Nature **351**, 714-718.
4. Lamas, S., et al. (1992) Proc Nat Acad Sci USA **89**, 6348-6352.
5. Xie, Q., et al. (1992) Science **256**, 225-228.



Human placenta stained with uNOS Polyclonal Antibody

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Last Revised: 8/13/2008