

eNOS Polyclonal Antibody

CATALOG NO:	3426R-30T	30 µg (Trial size)
	3426R-100	100 µg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide surrounding amino acid 602 of rat eNOS (ID# BV-F51G)	
SPECIES REACTIVITY:	Human, Mouse, Rat, Pig, Horse, Sheep, Cattle, Monkey	

FORMULATION:

0.5 mg/ml affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

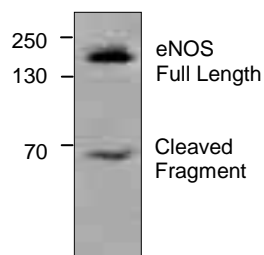
eNOS (Endothelial nitric-oxide synthase) is an important enzyme in the cardiovascular system. eNOS is regulated by phosphorylation at multiple sites. The two most thoroughly studied sites are the activation site Ser1177 and the inhibitory site Thr495. Several protein kinases including Akt/PKB, PKA and AMPK activate eNOS by phosphorylating Ser1177 in response to various stimuli. In contrast, bradykinin and hydrogen peroxide activate eNOS activity by promoting Thr495 dephosphorylation.

SPECIFICITY:

The antibody recognizes 140 kDa eNOS of human, mouse, and rat origins. Reactivity to other species has not been tested.

APPLICATION AND USAGE:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3426RBP-50) is available separately.



Cat. #:3426R-100
Western blot analysis of eNOS in Jurkat cell lysate.

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